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# NAVAL POSTGRADUATE SCHOOL MONTEREY, CALIFORNIA



## THESIS

**ANALYSIS, DESIGN, AND IMPLEMENTATION  
OF A DATABASE MANAGEMENT SYSTEM  
(DBMS) FOR COMMANDER IN CHIEF PACIFIC  
FLEET PROPULSION EXAMINING BOARD  
(CINCPACFLT PEB)**

by

Tony R. Encinias

September, 1995

Thesis Advisor:

Shu Liao

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**ANALYSIS, DESIGN, AND IMPLEMENTATION OF A DATABASE  
MANAGEMENT SYSTEM FOR THE CINCPACFLT PEB**

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Lieutenant, United States Navy  
B.A., University of Colorado, 1987

Submitted in partial fulfillment  
of the requirements for the degree of

**MASTER OF SCIENCE IN INFORMATION TECHNOLOGY  
MANAGEMENT**

from the

**NAVAL POSTGRADUATE SCHOOL**

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## **ABSTRACT**

The Commander in Chief Pacific Fleet Propulsion Examining Board (CINCPACFLT PEB) is a professional group of naval officers experienced in engineering readiness. This group of naval officers conducts examinations to assess the engineering readiness of the Pacific Fleet. There are two classes of examinations conducted by the PEB. The Operational Propulsion Plant Examination (OPPE) assesses the engineering readiness when the ship is underway. The Light Off Examination (LOE) assesses the engineering readiness after a ship's propulsion plant has been secured, for example overhauls, in excess of ninety days. The examination data is then collected in the exam summary worksheet and entered into the database.

The current database system uses the dBASE IV Plus database management system (DBMS) software and is constructed as a flat file system. Redundant data, inaccuracies, and inefficiencies are prevalent throughout the current system. The purpose of this thesis is to design a relational database (Propulsion Examining Board Database System (PEBDS)), implement and replace the current system, and provide a user friendly graphical user interface (GUI). The PEBDS and the GUI are constructed using Paradox for Windows Version 4.5 DBMS software.



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## **I. INTRODUCTION**

### **A. BACKGROUND**

The Commander in Chief Pacific Fleet Propulsion Examining Board (CINCPACFLT PEB) was established to ensure the engineering readiness needs of the Pacific Fleet. Its specific mission is to conduct Operational Propulsion Plant Examinations (OPPE) and Light Off Examinations (LOE). These examinations serve as a verification to CINCPACFLT as to the degree of engineering readiness of the Pacific Fleet. The OPPE is an operational examination which verifies engineering readiness in six different areas. These areas consist of the following: Material Readiness, Fire Fighting, Program Management, Training, Level of Knowledge, and Operations. The LOE is an examination which verifies engineering readiness when the propulsion plant has been secured, for example overhauls, for more than ninety days. The LOE is required before lighting off the propulsion plant and verifies engineering readiness in five different areas. These areas consist of the following: Material Readiness, Fire Fighting, Program Management, Training, and Level of Knowledge.

The PEB is segregated into three sub-organizations: Gas Turbine, Steam, and Diesel. These sub-organizations are representations of the various propulsion types that are currently installed on Pacific Fleet ships. Within these sub-organizations, teams are selected to conduct the examinations and consist of five examiners. The team examiners include a senior examiner, usually a 0-5 or 0-6 and four junior examiners, usually a 0-3 or 0-4. Additionally a Project Officer (PO) is chosen from the junior examiners. He or she is responsible for the overall coordination of the examination and is responsible for maintaining the examination summary worksheet.

The examination summary worksheet contains all the vital data for each examination area. When the examinations are complete, the PO is required to submit the examination summary worksheet to the Database Administrator (DBA) for entry into the database.

The current database was developed in house using dBASE IV Plus for DOS database management system (DBMS) software. This database, however, is a flat file system and has resulted in numerous instances of redundant data. As a result, the performance of the database is very poor and the report and query processing is very inefficient and inaccurate.

The DBA requested a study be generated regarding improvements to the current database system. He suggested developing a graphical user interface (GUI), improving database performance, and providing efficient and accurate reports and queries. In addition, the senior examiner responsible for statistical information on examinations suggested providing graphical presentations of queries. This thesis proposes a system designed to accomplish these tasks.

## **B. PEB DATABASE SYSTEM (PEBDS)**

The Propulsion Examining Board Database System (PEBDS) is designed to replace the current database system and make retrieval and storage of information easier and efficient. Additionally, providing a user friendly GUI and graphical presentations of queries will facilitate decision making for all levels of management. To accomplish this, the author interviewed junior and senior PEB examiners to determine their requirements.

The DBMS software that was chosen to construct the PEBDS is Paradox for Windows Version 4.5. The PEBDS is a menu driven application and mimics a Windows application. This ensures that users with a background in a Windows environment can easily navigate around the PEBDS without having knowledge of Paradox for Windows.

## **C. CHAPTER DESCRIPTIONS**

Chapter II will discuss the application development methodology used in developing the PEBDS. The definition, requirements, evaluation, design, and implementation phases will be discussed. This chapter will define the scope and objectives of the application as well as how these objectives will be accomplished.

Chapter III will discuss conclusions, discussions, and recommendations.

Appendices A. through H. provides supporting and substantiation of requirements, data dictionary, application documentation (ObjectPAL text), data flow diagrams (DFD's), and a user's guide.

## **II. DATABASE APPLICATION DEVELOPMENT**

The PEBDS was developed using five phases. The five phases are the definition, requirements, evaluation, design, and implementation. These phases and their requirements will be discussed in this chapter.

### **A. PHASE I: DEFINITION**

The current database system has several problems. It is unable to provide accurate and timely data, the queries are static, and it uses a flat file configuration which allows storing redundant data. The current system uses dBASE IV Plus DBMS, which is not user friendly and users require training.

The CINCPACFLT PEB has recently upgraded to IBM compatible 486 PC's and is operating in a Windows environment. The users are asking for a user friendly graphical user interface (GUI) to interact with the database.

The scope of this study is to build a relational database system with a GUI, which will run in a Windows environment. In addition, support for dynamic queries and graphical displays of query results will be developed.

After the problem has been defined and the scope of the project established, the feasibility of the project must be determined. Areas to look at in establishing the feasibility are cost, time, and schedule constraints. The cost of the project was not considered relevant because the hardware and software were already available. The schedule was set to begin in April 1995 with a system completion date set for August - September 1995. The time and schedule to complete the project is reasonable.

Benefits from implementing the PEBDS are as follows:

- Easier system to learn requiring less training
- Time savings for data entry personnel

- Higher integrity of data
- Increased ability to conduct statistical analysis of data

## **B. PHASE II: REQUIREMENTS**

There are two major styles for developing a database. Top-down development proceeds from the generic to the specific. It begins with a study of the strategic goals of the organization, the means by which those goals can be accomplished, the information requirements that must be satisfied to accomplish those goals, and the systems that must exist to provide that information. For such a study, a data model is developed at a high level of abstraction. [Ref. 5:p. 84]

Bottom-up development operates in the reverse order of abstraction. It begins with the need to develop a specific system. The means of selecting the first system varies from organization to organization. In some organizations, a steering committee picks the application, in other organization, the users may pick it themselves; and in some, the loudest voice in the executive rank wins out. [Ref. 5:p. 84]

The first decision was to decide which database development style to use. Bottom-up development was selected because it produces quick results, is less risky, and does not contribute to the phenomenon of "analysis paralysis" as does the Top-down development style. The next step in this phase is to interview all possible users of the system. The author interviewed the DBA and the leading senior examiner in charge of constructing statistical analysis reports on examination data. They both described the functional requirements in great detail. The initial interviews lasted approximately four hours and were beneficial in constructing the initial prototype of the system. They specifically requested the following reports and queries:

- CNO monthly report
- CINCPACFLT monthly report
- Twelve Month OPPE Cumulative Trend query

- Ships With Special Situations query
- Monthly Summary of Activity query
- High Power Demonstrations query
- Program Management query
- Exam Area Summary query
- Evolutions and Drills Summary query
- Fire Fighting query
- Boiler Flexibility Checks query
- ECCTT query
- Level of Knowledge query

The initial prototype was completed in July 1995. Minor changes were required and no further prototypes were necessary.

### **1. Data Requirements**

The semantic object modeling approach was chosen over the conventional entity-relational approach to model the PEBDS data. Semantic object and entity-relational modeling are alike in that both try to represent the user's view of the data. They are also similar with how they describe attributes, cardinalities, and domains. In semantic object modeling, however, each object in the semantic object diagram holds all the details about itself. With entity-relational modeling entities, one must look at several other entities to get the "big picture." This makes semantic object modeling objects more comprehensible than entity-relational modeling entities. One can see the relationships between objects without having to trace through a network of lines as one must do for the entity-relational model. The semantic object diagram for the PEBDS is located in Appendix A.

Based on the user interviews and prototype process, it was determined that eight objects were necessary to meet the requirements of the PEBDS. The objects for the PEBDS

are as follows:

- SHIP
- EXAM
- OPERATIONS
- MATERIAL
- FIRE FIGHTING
- PROGRAM MANAGEMENT
- TRAINING
- LEVEL OF KNOWLEDGE

The SHIP object is the central object. SHIP will hold all the information of all ships in the Pacific Fleet. This includes ship name, propulsion type, commanding officer, executive officer, chief engineer, ISIC, previous examination grade, and hull number. This will act as a lookup table for all other tables. The data must be entered first in this table before any other data is entered into the system. The EXAM object identifies examinations conducted and containing information on the particular examination. This includes exam ending date, adjective grade, overall finding, ship name, next exam date, project officer, senior examiner, examination type, and examination comments. OPERATIONS is a subtype of EXAM contains information on the watch sections, evolutions, drills, ECCTT, and overall grade. MATERIAL is a subtype of EXAM and contains information on high power demonstrations, material self assessment, valve maintenance, gage calibrations, cleanliness, preservation, stowage, number of major and minor discrepancies, boiler flexibility, material comments, number of reported and uncovered degradations. FIREFIGHTING is a subtype of EXAM and contains information on the number of major and minor damage control and repair five discrepancies, repair five inventory, AFFF grade, halon grade, fire drill grade and comments, DCTT grade and comments and overall grade. PROGRAM MANAGEMENT is a subtype

of EXAM and contains information on boiler water/feed water, lube oil quality management, fuel oil quality management, diesel jacket water test and treatment, diesel engine trend analysis, operating logs, legal records, bearing records, marine gas turbine equipment service records, tag out, electrical safety, online verification, hearing conservation, quality assurance, and overall finding grades and comments. TRAINING is a subtype of EXAM and contains information on personal qualification standards, key personnel, training program, number of satisfactory gas turbine watch stations, steam watch stations, and diesel watch stations, and overall grade and comments. LEVEL OF KNOWLEDGE is a subtype of EXAM and contains information on passing percentage for the written , supervisory, and damage control examinations.

The above objects are displayed in the semantic object diagram in Appendix A. The object and domain definitions are displayed in the data dictionary in Appendix B.

The collection of data flow diagrams is displayed in Appendix C. These diagrams describe the overall flow of the information in the system. Attributes and functions of the PEBDS are listed with the process specifications in Appendix D.

The PEBDS will have a back up capability utilizing the Microsoft backup application installed with Windows 3.1. This will be a menu option on the main menu for the user. The database files should be backed up on a weekly basis as a minimum.

### **C. PHASE III: EVALUATION**

Evaluation of the PEBDS project was completed and produced two system constraints. The first constraint was the hardware the PEBDS had to run on. For efficient operation, the minimum hardware requirement is an IBM compatible 486 PC with 4 MB of memory. This constraint, however, did not pose any significant technological barriers for development of the PEBDS. The second constraint was the DBMS software. Since limited monetary resources were available, the PEBDS is required to be designed and operated with Paradox for Windows Version 4.5 DBMS software already installed on site. An extensive review of this DBMS software determined that it satisfied all and possible future requirements of the PEBDS.

The user's requirements were further reviewed and it was determined that the PEBDS could be completed on time and utilize the current hardware and DBMS software available. No additional costs would be necessary unless recommendations for future enhancements are desired.

#### **D. PHASE IV: DESIGN**

The logical database design is centered around the primary object SHIP. The key of the SHIP object is (ShipName) and contains one-to-many semantic object attribute links to the following objects:

- EXAM
- OPERATIONS
- MATERIAL
- FIRE FIGHTING
- PROGRAM MANAGEMENT
- TRAINING
- LEVEL OF KNOWLEDGE

The minimum cardinality is equal to zero and the maximum cardinality is equal to N.

The key of the EXAM object is a composite key composed of (ExamEndDate) and the semantic object link (SHIP). The cardinality of the semantic object link is one-to-one with the minimum and maximum cardinality equal to one.

The following objects are subtypes of the EXAM object and inherit the same composite key and minimum and maximum cardinalities:

- OPERATIONS
- MATERIAL
- FIRE FIGHTING



- PROGRAM MANAGEMENT
- TRAINING
- LEVEL OF KNOWLEDGE

The above objects and relationships are represented graphically in the Relational Diagram, Appendix E and the data definitions in Appendix B.

The main menu, input forms, and query forms are listed in Appendix F. The ObjectPAL source code for the PEBDS is listed in Appendix G and the user's guide is listed in Appendix H.

#### **E. PHASE V: IMPLEMENTATION**

The PEBDS was implemented in August 1995. The PEBDS was installed on a IBM compatible 486 PC. The PEBDS will utilize the current software installed on the PC. The PEBDS will use Paradox for Windows Version 4.5 and Windows 3.1. Upgrades to both software applications are available but is not within the budgetary considerations for fiscal year 1996. If upgrades are procured, the PEBDS will operate without restrictions on Paradox for Windows 5.0 and Windows 95 software upgrades.

A strategy for implementation of the PEBDS was considered and a pilot strategy was decided upon. The reason this strategy was chosen was due in part to the incompatibilities of the flat file system with the new relational PEBDS. The data in the single table format of the current database could not be converted to the new multi table relational PEBDS. Therefore, the pilot strategy will enable the users to use the PEBDS for monthly summary queries and inputs for the monthly reports to CINCPACFLT and CNO. Until the full conversion is complete, the DBA will have to maintain both systems. Full conversion will take place in approximately six months when enough records are within the system to facilitate the other queries within the PEBDS. The pilot strategy will enable the organization to gradually implement the PEBDS to ensure stability and minimize the risk of data loss.

The input and query screens, and reports were built using Paradox's screen painter. Color, font size, and overall design considerations were easily facilitated with the screen

painter and a ergonomical environment was created. Since Paradox for Windows application language is object-oriented, it was used to provide links, correlations and relationships between each object within the PEBDS. The custom source code used to construct the PEBDS is transparent to the user, but is a major reason of why the PEBDS is user friendly. All objects within the PEBDS have custom source code embedded and the source code is listed in Appendix G.

Training and familiarization with the PEBDS was held with the DBA. A user's guide was provided to help the DBA and any other PEB staff members to easily navigate through the PEBDS and is listed in Appendix H. Since the PEBDS is a menu driven application which uses pushbuttons and mouse point and click procedures, lengthy training sessions were not required. The DBA received additional training in system installation, troubleshooting, and data backup.

Testing of the PEBDS was done during the implementation phase and throughout the entire life cycle of the project. The testing procedures were conducted on sample controlled data and stressed the PEBDS beyond what one would expect the users of the PEBDS would do. The data was entered and all queries were executed to see if the expected results would be given. Modifications to the PEBDS were done to correct the minor inconsistencies found throughout the testing procedure.

Restructuring the PEBDS to accommodate future enhancements can be accomplished with the design feature of Paradox for Windows. The original system files (.db, .fsl, .rsl) were provided to the DBA, on two 3.5 inch floppy disks. The design feature for these system files was not disabled to allow access to every object within the PEBDS. However, the enhancements to the PEBDS will require extensive knowledge of the application language objectPAL and Paradox for Windows and should be attempted by only qualified programmers.

#### IV. CONCLUSIONS

The PEBDS is currently installed and is running in accordance with the design specifications of the users. It has significantly reduced the time the DBA spends on data entry and query processing for the senior members of the PEB. The monthly summary reports can now be completed in less than thirty minutes, which includes the printing of the query reports and graphs. The PEBDS has increased the productivity of all who use the PEBDS and the generation of future enhancements is highly recommended. The users have shown that they are satisfied with the system so far and to date the system has achieved the goals that it was intended to accomplish.

The user's requirements have been met, but as with all new systems, the users can now envision new requirements that would be equally beneficial. As the users develop new requirements, the objectPAL source code can be changed or added to better meet these new requirements. Minor changes or additions to the objectPAL source code and maintenance of the PEBDS can be accomplished by the DBA. If these changes are major however, they may be extensive enough to have a following on effort by another thesis student.

Modifications and upgrades to the office's infrastructure, hardware and software are an ongoing issue for every office environment. The PEBDS is versatile and can operate on any software upgrades to Paradox for Windows. If a major change occurs with the infrastructure, the PEBDS can accommodate this change to the infrastructure, but will require personnel knowledgeable with the PEBDS, Paradox for Windows, and Paradox for Windows application language objectPAL.

Although the backup procedures installed with the PEBDS is sufficient and will satisfy all backup requirements, the time required to backup on 3.5 inch floppy disks will increase as more and more records are introduced into the database. The addition of a backup tape drive will facilitate the back up procedures and provide easy and relatively less painful means of restoring the PEBDS data in the event of total data loss. A tape backup will solve this problem and would only require minimal additional funds.

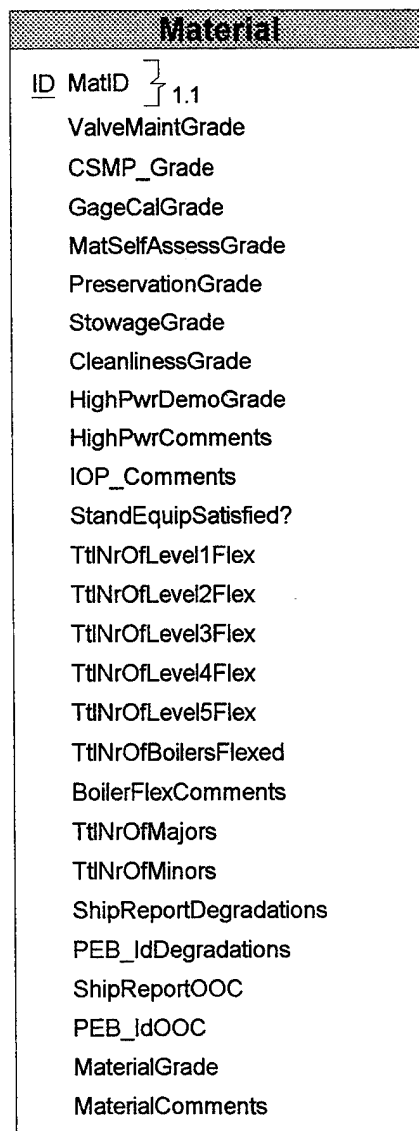
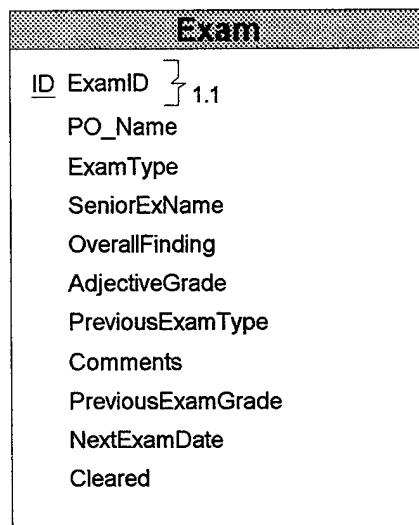
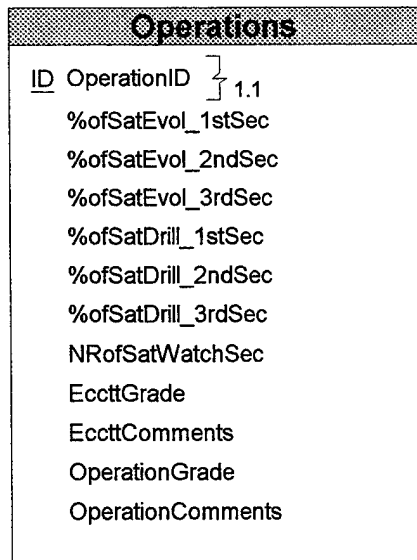
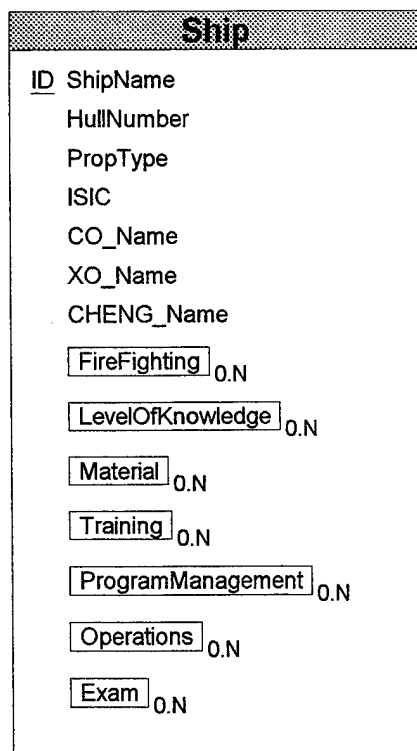


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## APPENDIX A. Semantic Object Diagram



### ProgramManagement

ID PM\_ID } 1.1  
LOQM\_Grade  
BWWFV\_Grade  
FOQM\_Grade  
DJWTT\_Grade  
DETA\_Grade  
OpLogsGrade  
LegalRecsGrade  
BearingRecsGrade  
MGTESR\_Grade  
TagoutGrade  
ElectSafetyGrade  
HearingConsGrade  
QA\_Grade  
OLV\_Grade  
ProgramManageGrade  
ProgramComments

### FireFighting

ID FireFightingID } 1.1  
NrOfDC\_Majors  
NrOfDC\_Minors  
NrOfRepV\_Majors  
NrOfRepV\_Minors  
RepV\_InventoryGrade  
MSFD\_Grade  
SpaceDC\_EquipGrade  
DCTT\_Grade  
DCTT\_Comments  
HalonGrade  
AFFF\_Grade  
FireDrill1\_Grade  
FireDrill2\_Grade  
FireDrill3\_Grade  
FireDrillComments  
FireFightingGrade  
FireFightingComments

### Training

ID TrainingID } 1.1  
PQS\_Grade  
TrainingGrade  
NrOfSatBlrOp  
NrOfSatGenOp  
NrOfSatBTOW/ConsoleOP  
NrOfSatMsgr/EngOp  
NrOfSatMMOW  
NrOfSatENOW  
NrOfSatEDG/SWBD\_Op  
NrOfSatEoow  
NrOfSatPACC  
NrOfSatEPCC  
NrOfSatAuxOP  
NrOfSatOilKing  
NrOfSatMEROP  
KeyPersonnelLeaving  
TrainingProgramGrade  
TrainingProgramComments

### LevelOfKnowledge

ID LOK\_ID } 1.1  
%PassWrittenExam  
AvgScoreWritten  
%PassDC\_Exam  
AvgScoreDC  
%PassSupExam  
AvgScoreSup  
AvgScoreEM\_Sup



## APPENDIX B. DATA DICTIONARY

---

%ofSatDrill_1stSec	Type: Simple Value Profile: Percent Contained in: Operations Caption: Description: The percentage of satisfactory drills in the 1st section ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Floating Point Length: Format: Initial Value:
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%ofSatDrill_2ndSec	Type: Simple Value Profile: Percent Contained in: Operations Caption: Description: The percentage of satisfactory drills in the 2nd watch section ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Floating Point Length: Format: Initial Value:
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%ofSatDrill_3rdSec	Type: Simple Value Profile: Percent Contained in: Operations Caption: Description: The percentage of satisfactory drills in the 3rd watchsection ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Floating Point Length: Format: Initial Value:
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%ofSatEvol_1stSec	Type: Simple Value Profile: Percent Contained in: Operations Caption: Description: The percent of satisfactory evolutions in the 1st watchsection ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Floating Point Length: Format: Initial Value:
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%ofSatEvol\_3rdSec      Type: Simple Value  
Profile: Percent  
Contained in: Operations  
Caption:  
Description: The percentage of satisfactory evolutions  
                  in the 3rd section  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Floating Point  
Length:  
Format:  
Initial Value:

---

%PassDC\_Exam          Type: Simple Value  
Profile: Percent  
Contained in: LevelOfKnowledge  
Caption:  
Description: The percentage of engineering personnel  
                  passing the damage control exam  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Floating Point  
Length:  
Format:  
Initial Value:

---

%PassSupExam          Type: Simple Value  
Profile: Percent  
Contained in: LevelOfKnowledge  
Caption:  
Description: The percentage of supervisors passing th  
                  e supervisory exam  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Floating Point  
Length:  
Format:  
Initial Value:

---

%PassWrittenExam      Type: Simple Value  
Profile: Percent  
Contained in: LevelOfKnowledge  
Caption:  
Description: The percentage of watchstanders passing  
                  the written exam  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Floating Point  
Length:  
Format:  
Initial Value:

---

AdjectiveGrade          Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: Exam  
Caption:  
Description: The descriptive grade for the exam  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

---

---

AFFF_Grade	Type: Simple Value Profile: PreviousExamGrade Contained in: FireFighting Caption: Description: The grade on the ship's AFFF system ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
------------	---

---

AvgScoreDC	Type: Simple Value Profile: Quantity Contained in: LevelOfKnowledge Caption: Description: The average score on the damage control exam ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
------------	---

---

AvgScoreEM_Sup	Type: Simple Value Profile: Quantity Contained in: LevelOfKnowledge Caption: Description: The average score of the EM supervisory exam ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
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---

AvgScoreSup	Type: Simple Value Profile: Quantity Contained in: LevelOfKnowledge Caption: Description: The average score on the supervisory exam ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
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---

AvgScoreWritten	Type: Simple Value Profile: Quantity Contained in: LevelOfKnowledge Caption: Description: The average score for the written exam ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
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**BearingRecsGrade**      Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: ProgramManagement  
Caption:  
Description: The bearing records program grade  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

---

**BoilerFlexComments**      Type: Simple Value  
Profile: Description  
Contained in: Material  
Caption:  
Description: The comments on the boiler flexes  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Memo  
Length:  
Format:  
Initial Value:

---

**BWFW\_Grade**      Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: ProgramManagement  
Caption:  
Description: The boiler water/feed water program grade  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

---

**CHENG\_Name**      Type: Simple Value  
Profile: PersonName  
Contained in: Ship  
Caption:  
Description: The chief engineer's last name  
ID Status: None  
Minimum Required: 1  
Maximum Allowed: 1  
Value Type: Text  
Length: 35  
Format:  
Initial Value:

---

**CleanlinessGrade**      Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: Material  
Caption:  
Description: The grade for cleanliness  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

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21

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DCTT\_Grade      Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: FireFighting  
Caption:  
Description: The damage control training team grade  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

---

DETA\_Grade      Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: ProgramManagement  
Caption:  
Description: The diesel engine trend analysis program  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

---

DJWTT\_Grade      Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: ProgramManagement  
Caption:  
Description: The diesel jacket water test and treatment program grade  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

---

EccttComments      Type: Simple Value  
Profile: Description  
Contained in: Operations  
Caption:  
Description: The comments for the engineering casualty control training team  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Memo  
Length:  
Format:  
Initial Value:

---

EccttGrade      Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: Operations  
Caption:  
Description: The grade of the engineering casualty control training team  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

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ElectSafetyGrade      Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: ProgramManagement  
Caption:  
Description: The electrical safety program grade  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

---

Exam                    Type: Object Link  
Profile: Exam  
Contained in: Ship  
Caption:  
Description:  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: N (No Limit)

---

ExamEndDate          Type: Simple Value  
Profile: ExamEndDate  
Contained in: LevelOfKnowledge.LOK\_ID  
Caption:  
Description: The date the exam ends  
ID Status: None  
Minimum Required: 1  
Maximum Allowed: 1  
Value Type: Date  
Length:  
Format:  
Initial Value:

---

ExamEndDate          Type: Simple Value  
Profile: ExamEndDate  
Contained in: Training.TrainingID  
Caption:  
Description: The date the exam ends  
ID Status: None  
Minimum Required: 1  
Maximum Allowed: 1  
Value Type: Date  
Length:  
Format:  
Initial Value:

---

ExamEndDate          Type: Simple Value  
Profile: ExamEndDate  
Contained in: Material.MatID  
Caption:  
Description: The date the exam ends  
ID Status: None  
Minimum Required: 1  
Maximum Allowed: 1  
Value Type: Date  
Length:  
Format:  
Initial Value:

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ExamEndDate	Type: Simple Value Profile: ExamEndDate Contained in: ProgramManagement.PM_ID Caption: Description: The date the exam ends ID Status: None Minimum Required: 1 Maximum Allowed: 1 Value Type: Date Length: Format: Initial Value:
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ExamEndDate	Type: Simple Value Profile: ExamEndDate Contained in: Exam.ExamID Caption: Description: The date the exam ends ID Status: None Minimum Required: 1 Maximum Allowed: 1 Value Type: Date Length: Format: Initial Value:
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ExamEndDate	Type: Simple Value Profile: ExamEndDate Contained in: Operations.OperationID Caption: Description: The exam end date ID Status: None Minimum Required: 1 Maximum Allowed: 1 Value Type: Date Length: Format: Initial Value:
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ExamEndDate	Type: Simple Value Profile: ExamEndDate Contained in: FireFighting.FireFightingID Caption: Description: The date the exam ends ID Status: None Minimum Required: 1 Maximum Allowed: 1 Value Type: Date Length: Format: Initial Value:
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ExamID	Type: Group Profile: ExamID Contained in: Exam Caption: Description: ID Status: Unique Minimum Required: 1 Maximum Allowed: 1 Minimum Count: 0 Maximum Count: ALL	Attributes Contained:	Ship ExamEndDate
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ExamType           Type: Simple Value  
                  Profile: ExamType  
                  Contained in: Exam  
                  Caption:  
                  Description: The type of inspection with values of OPP  
                                  E/LOE/REOPPE/RELOE  
                  ID Status: None  
                  Minimum Required: 0  
                  Maximum Allowed: 1  
                  Value Type: Text  
                  Length: 10  
                  Format:  
                  Initial Value:

---

FireDrill1\_Grade    Type: Simple Value  
                  Profile: PreviousExamGrade  
                  Contained in: FireFighting  
                  Caption:  
                  Description: The grade on fire drill 1  
                  ID Status: None  
                  Minimum Required: 0  
                  Maximum Allowed: 1  
                  Value Type: Text  
                  Length: 10  
                  Format:  
                  Initial Value:

---

FireDrill2\_Grade    Type: Simple Value  
                  Profile: PreviousExamGrade  
                  Contained in: FireFighting  
                  Caption:  
                  Description: The grade on fire drill 2  
                  ID Status: None  
                  Minimum Required: 0  
                  Maximum Allowed: 1  
                  Value Type: Text  
                  Length: 10  
                  Format:  
                  Initial Value:

---

FireDrill3\_Grade    Type: Simple Value  
                  Profile: PreviousExamGrade  
                  Contained in: FireFighting  
                  Caption:  
                  Description: The grade of fire drill 3  
                  ID Status: None  
                  Minimum Required: 0  
                  Maximum Allowed: 1  
                  Value Type: Text  
                  Length: 10  
                  Format:  
                  Initial Value:

---

FireDrillComments   Type: Simple Value  
                  Profile: Description  
                  Contained in: FireFighting  
                  Caption:  
                  Description: The comments on all 3 fire drills  
                  ID Status: None  
                  Minimum Required: 0  
                  Maximum Allowed: 1  
                  Value Type: Memo  
                  Length:  
                  Format:  
                  Initial Value:

---

FireFighting	Type: Object Link Profile: FireFighting Contained in: Ship Caption: Description: ID Status: None Minimum Required: 0 Maximum Allowed: N (No Limit)		
FireFightingComments	Type: Simple Value Profile: Description Contained in: FireFighting Caption: Description: The fire fighting area comments ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Memo Length: Format: Initial Value:		
FireFightingGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: FireFighting Caption: Description: The fire fighting area grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:		
FireFightingID	Type: Group Profile: FireFightingID Contained in: FireFighting Caption: Description: ID Status: Unique Minimum Required: 1 Maximum Allowed: 1 Minimum Count: 0 Maximum Count: ALL	Attributes Contained:	Ship ExamEndDate
FOQM_Grade	Type: Simple Value Profile: PreviousExamGrade Contained in: ProgramManagement Caption: Description: The fuel oil quality management program grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:		

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GageCalGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: Material Caption: Description: The grade for gage calibrations program ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
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HalonGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: FireFighting Caption: Description: The grade of the installed halon system ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
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HearingConsGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: ProgramManagement Caption: Description: The hearing conservation program grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
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HighPwrComments	Type: Simple Value Profile: Description Contained in: Material Caption: Description: The comments on the high power demonstration ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Memo Length: Format: Initial Value:
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HighPwrDemoGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: Material Caption: Description: The high power demonstration grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
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HullNumber	Type: Simple Value Profile: HullNumber Contained in: Ship Caption: Description: ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
IOP_Comments	Type: Simple Value Profile: Description Contained in: Material Caption: Description: The comments for IOP's ID Status: None Minimum Required: 1 Maximum Allowed: 1 Value Type: Memo Length: Format: Initial Value:
ISIC	Type: Simple Value Profile: ISIC Contained in: Ship Caption: Description: The immediate superior in chain of comm and of the ship ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
KeyPersonnelLeaving	Type: Simple Value Profile: Description Contained in: Training Caption: Description: The names of the key personnel leaving withing three months of the exam end date ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Memo Length: Format: Initial Value:
LegalRecsGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: ProgramManagement Caption: Description: The legal records program grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:

LevelOfKnowledge	Type: Object Link Profile: LevelOfKnowledge Contained in: Ship Caption: Description: ID Status: None Minimum Required: 0 Maximum Allowed: N (No Limit)		
LOK_ID	Type: Group Profile: LOK_ID Contained in: LevelOfKnowledge Caption: Description: ID Status: Unique Minimum Required: 1 Maximum Allowed: 1 Minimum Count: 0 Maximum Count: ALL	Attributes Contained:	Ship ExamEndDate
LOQM_Grade	Type: Simple Value Profile: PreviousExamGrade Contained in: ProgramManagement Caption: Description: The lube oil quality management program grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:		
Material	Type: Object Link Profile: Material Contained in: Ship Caption: Description: ID Status: None Minimum Required: 0 Maximum Allowed: N (No Limit)		
MaterialComments	Type: Simple Value Profile: Description Contained in: Material Caption: Description: The comments on the material area of the exam ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Memo Length: Format: Initial Value:		
MaterialGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: Material Caption: Description: The grade for the material area of the ex am ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:		

MatID	Type: Group Profile: MatID Contained in: Material Caption: Description: ID Status: Unique Minimum Required: 1 Maximum Allowed: 1 Minimum Count: 0 Maximum Count: ALL	Attributes Contained:	Ship ExamEndDate
MatSelfAssessGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: Material Caption: Description: The grade for material self assessment ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:		
MGTESR_Grade	Type: Simple Value Profile: PreviousExamGrade Contained in: ProgramManagement Caption: Description: The marine gas turbine equipment service record program grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:		
MSFD_Grade	Type: Simple Value Profile: PreviousExamGrade Contained in: FireFighting Caption: Description: The main space fire doctrine grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:		
NextExamDate	Type: Simple Value Profile: EventDate Contained in: Exam Caption: Description: ID Status: None Minimum Required: 1 Maximum Allowed: 1 Value Type: Date Length: Format: The date the next exam is due Initial Value:		

---

NrOfDC\_Majors      Type: Simple Value  
Profile: Quantity  
Contained in: FireFighting  
Caption:  
Description: The total number of damage control major  
s  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Short Integer  
Length:  
Format:  
Initial Value:

---

NrOfDC\_Minors      Type: Simple Value  
Profile: Quantity  
Contained in: FireFighting  
Caption:  
Description: The number of damage control minors  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Short Integer  
Length:  
Format:  
Initial Value:

---

NrOfRepV\_Majors      Type: Simple Value  
Profile: Quantity  
Contained in: FireFighting  
Caption:  
Description: The number of repair five majors  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Short Integer  
Length:  
Format:  
Initial Value:

---

NrOfRepV\_Minors      Type: Simple Value  
Profile: Quantity  
Contained in: FireFighting  
Caption:  
Description: The number of repair five minors  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Short Integer  
Length:  
Format:  
Initial Value:

---

NrOfSatAuxOP      Type: Simple Value  
Profile: Quantity  
Contained in: Training  
Caption:  
Description: The number of satisfactory auxiliary oper  
ators  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Short Integer  
Length:  
Format:  
Initial Value:

---

NrOfSatBlrOp	Type: Simple Value Profile: Quantity Contained in: Training Caption: Description: Number of satisfactory boiler operators ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
NrOfSatBTOW/ConsoleOPT	Type: Simple Value Profile: Quantity Contained in: Training Caption: Description: The number of satisfactory boiler technicians/Console operators ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
NrOfSatEDG/SWBD_Op	Type: Simple Value Profile: Quantity Contained in: Training Caption: Description: The number of satisfactory emergency diesel/switchboard operators ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
NrOfSatENOW	Type: Simple Value Profile: Quantity Contained in: Training Caption: Description: The number of satisfactory emergency diesel generator/switchboard operators ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
NrOfSatEoow	Type: Simple Value Profile: Quantity Contained in: Training Caption: Description: The number of satisfactory engineering officers of the watch ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:



NrOfSatEPCC	Type: Simple Value Profile: Quantity Contained in: Training Caption: Description: The number of electrical plant control console operators ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
NrOfSatGenOp	Type: Simple Value Profile: Quantity Contained in: Training Caption: Description: The number of satisfactory generator operators ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
NrOfSatMEROP	Type: Simple Value Profile: Quantity Contained in: Training Caption: Description: The number of satisfactory of main engine room operators ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
NrOfSatMMOW	Type: Simple Value Profile: Quantity Contained in: Training Caption: Description: The number of satisfactory messengers of the watch ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
NrOfSatMsgR/EngOp	Type: Simple Value Profile: Quantity Contained in: Training Caption: Description: The number of satisfactory messenger/engine operators ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:

NrOfSatOilKing	Type: Simple Value Profile: Quantity Contained in: Training Caption: Description: The number of satisfactory oil kings ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
NrOfSatPACC	Type: Simple Value Profile: Quantity Contained in: Training Caption: Description: The number of satisfactory propulsion auxiliary control console operators ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
NRofSatWatchSec	Type: Simple Value Profile: Identifier-Numeric Contained in: Operations Caption: Description: Total number of satisfactory watch sections ID Status: None Minimum Required: 1 Maximum Allowed: 1 Value Type: Long Integer Length: Format: Initial Value:
OLV_Grade	Type: Simple Value Profile: PreviousExamGrade Contained in: ProgramManagement Caption: Description: The online verification program grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
OperationComments	Type: Simple Value Profile: Description Contained in: Operations Caption: Description: The comments for the operation area of the exam ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Memo Length: Format: Initial Value:

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OperationGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: Operations Caption: Description: The grade for operations area of the exam ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
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OperationID	Type: Group Profile: OperationID Contained in: Operations Caption: Description: ID Status: Unique Minimum Required: 1 Maximum Allowed: 1 Minimum Count: 0 Maximum Count: ALL	Attributes Contained:	Ship ExamEndDate
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Operations	Type: Object Link Profile: Operations Contained in: Ship Caption: Description: ID Status: None Minimum Required: 0 Maximum Allowed: N (No Limit)
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OpLogsGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: ProgramManagement Caption: Description: The operation logs program grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
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OverallFinding	Type: Simple Value Profile: PreviousExamGrade Contained in: Exam Caption: Description: The overall grade for the exam ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
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PEB_IdDegradations	Type: Simple Value Profile: Quantity Contained in: Material Caption: Description: Total number of equipment degradations found by the propulsion examining board ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:		
PEB_IdOOC	Type: Simple Value Profile: Quantity Contained in: Material Caption: Description: The number of out of commission equipment found by the propulsion examining board ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:		
PM_ID	Type: Group Profile: PM_ID Contained in: ProgramManagement Caption: Description: ID Status: Unique Minimum Required: 1 Maximum Allowed: 1 Minimum Count: 0 Maximum Count: ALL	Attributes Contained:	Ship ExamEndDate
PO_Name	Type: Simple Value Profile: PO_Name Contained in: Exam Caption: Description: The name of the project officer conducting the exam ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:		
PQS_Grade	Type: Simple Value Profile: PreviousExamGrade Contained in: Training Caption: Description: The personal qualifications standard grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:		

---

PreservationGrade      Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: Material  
Caption:  
Description: The preservation of equipment grade  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

---

PreviousExamGrade      Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: Exam  
Caption:  
Description: The grade of the previous exam  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

---

PreviousExamType      Type: Simple Value  
Profile: PreviousExamType  
Contained in: Exam  
Caption:  
Description: The previous exam type the ship had  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 6  
Format:  
Initial Value:

---

ProgramComments      Type: Simple Value  
Profile: Description  
Contained in: ProgramManagement  
Caption:  
Description: The program management comments  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Memo  
Length:  
Format:  
Initial Value:

---

ProgramManageGrade      Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: ProgramManagement  
Caption:  
Description: The program managment grade  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

---

ProgramManagement	Type: Object Link Profile: ProgramManagement Contained in: Ship Caption: Description: ID Status: None Minimum Required: 0 Maximum Allowed: N (No Limit)
PropType	Type: Simple Value Profile: PO_Name Contained in: Ship Caption: Description: The propulsion type of the ship. Values are Gas Turbine, Diesel, or Steam ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
QA_Grade	Type: Simple Value Profile: PreviousExamGrade Contained in: ProgramManagement Caption: Description: The quality assurance program grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
RepV_InventoryGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: FireFighting Caption: Description: The grade of the repair five inventory ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
SeniorExName	Type: Simple Value Profile: PO_Name Contained in: Exam Caption: Description: The name of the senior member of the PE B team ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:

---

Ship	Type: Object Link Profile: Ship Contained in: Material.MatID Caption: Description: ID Status: None Minimum Required: 1 Maximum Allowed: 1
------	--

---

Ship	Type: Object Link Profile: Ship Contained in: Operations.OperationID Caption: Description: ID Status: None Minimum Required: 1 Maximum Allowed: 1
------	--

---

Ship	Type: Object Link Profile: Ship Contained in: ProgramManagement.PM_ID Caption: Description: ID Status: None Minimum Required: 1 Maximum Allowed: 1
------	---

---

Ship	Type: Object Link Profile: Ship Contained in: Exam.ExamID Caption: Description: ID Status: None Minimum Required: 1 Maximum Allowed: 1
------	---

---

Ship	Type: Object Link Profile: Ship Contained in: LevelOfKnowledge.LOK_ID Caption: Description: ID Status: None Minimum Required: 1 Maximum Allowed: 1
------	---

---

Ship	Type: Object Link Profile: Ship Contained in: FireFighting.FireFightingID Caption: Description: ID Status: None Minimum Required: 1 Maximum Allowed: 1
------	---

---

Ship	Type: Object Link Profile: Ship Contained in: Training.TrainingID Caption: Description: ID Status: None Minimum Required: 1 Maximum Allowed: 1
------	---

---

---

ShipName	Type: Simple Value Profile: ShipName Contained in: Ship Caption: Description: ID Status: Unique Minimum Required: 1 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
----------	--

---

ShipReportDegradations	Type: Simple Value Profile: Quantity Contained in: Material Caption: Description: The number of equipment degradations reported by the ship ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
------------------------	--

---

ShipReportOOC	Type: Simple Value Profile: Quantity Contained in: Material Caption: Description: The number of out of commission equipment reported by the ship ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
---------------	---

---

SpaceDC_EquipGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: FireFighting Caption: Description: The grade on the in space damage control equipment ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
--------------------	--

---

StandEquipSatisfied?	Type: Simple Value Profile: PreviousExamGrade Contained in: Material Caption: Description: Is standard equipment satisfied ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 1 Format: Initial Value:
----------------------	--

---



StowageGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: Material Caption: Description: The grade for stowage ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:		
TagoutGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: ProgramManagement Caption: Description: The tagout program grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:		
Training	Type: Object Link Profile: Training Contained in: Ship Caption: Description: ID Status: None Minimum Required: 0 Maximum Allowed: N (No Limit)		
TrainingGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: Training Caption: Description: The training program grade ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:		
TrainingID	Type: Group Profile: TrainingID Contained in: Training Caption: Description: ID Status: Unique Minimum Required: 1 Maximum Allowed: 1 Minimum Count: 0 Maximum Count: ALL	Attributes Contained:	Ship ExamEndDate

---

TrainingProgramComments    Type: Simple Value  
Profile: Description  
Contained in: Training  
Caption:  
Description: The training program area comments  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Memo  
Length:  
Format:  
Initial Value:

---

TrainingProgramGrade    Type: Simple Value  
Profile: PreviousExamGrade  
Contained in: Training  
Caption:  
Description: The training program area grade  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Text  
Length: 10  
Format:  
Initial Value:

---

TtINrOfBoilersFlexed    Type: Simple Value  
Profile: Quantity  
Contained in: Material  
Caption:  
Description: The total number of boiler flexes  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Short Integer  
Length:  
Format:  
Initial Value:

---

TtINrOfLevel1Flex    Type: Simple Value  
Profile: Quantity  
Contained in: Material  
Caption:  
Description: Total number of boiler flexes to level 1  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Short Integer  
Length:  
Format:  
Initial Value:

---

TtINrOfLevel2Flex    Type: Simple Value  
Profile: Quantity  
Contained in: Material  
Caption:  
Description: The total number of boiler flexes to level 2  
ID Status: None  
Minimum Required: 0  
Maximum Allowed: 1  
Value Type: Short Integer  
Length:  
Format:  
Initial Value:

---

---

TtlNrOfLevel3Flex	Type: Simple Value Profile: Quantity Contained in: Material Caption: Description: The total number of boiler flexes to level 3 ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
-------------------	---

---

TtlNrOfLevel4Flex	Type: Simple Value Profile: Quantity Contained in: Material Caption: Description: The total number of boiler flexes to level 4 ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
-------------------	---

---

TtlNrOfLevel5Flex	Type: Simple Value Profile: Quantity Contained in: Material Caption: Description: The total number of boiler flexes to level 5 ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
-------------------	---

---

TtlNrOfMajors	Type: Simple Value Profile: Quantity Contained in: Material Caption: Description: The total number of majors ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
---------------	---

---

TtlNrOfMinors	Type: Simple Value Profile: Quantity Contained in: Material Caption: Description: the total number of minors ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Short Integer Length: Format: Initial Value:
---------------	---

---

---

ValveMaintGrade	Type: Simple Value Profile: PreviousExamGrade Contained in: Material Caption: Description: The grade for valve maintenance ID Status: None Minimum Required: 0 Maximum Allowed: 1 Value Type: Text Length: 10 Format: Initial Value:
-----------------	---

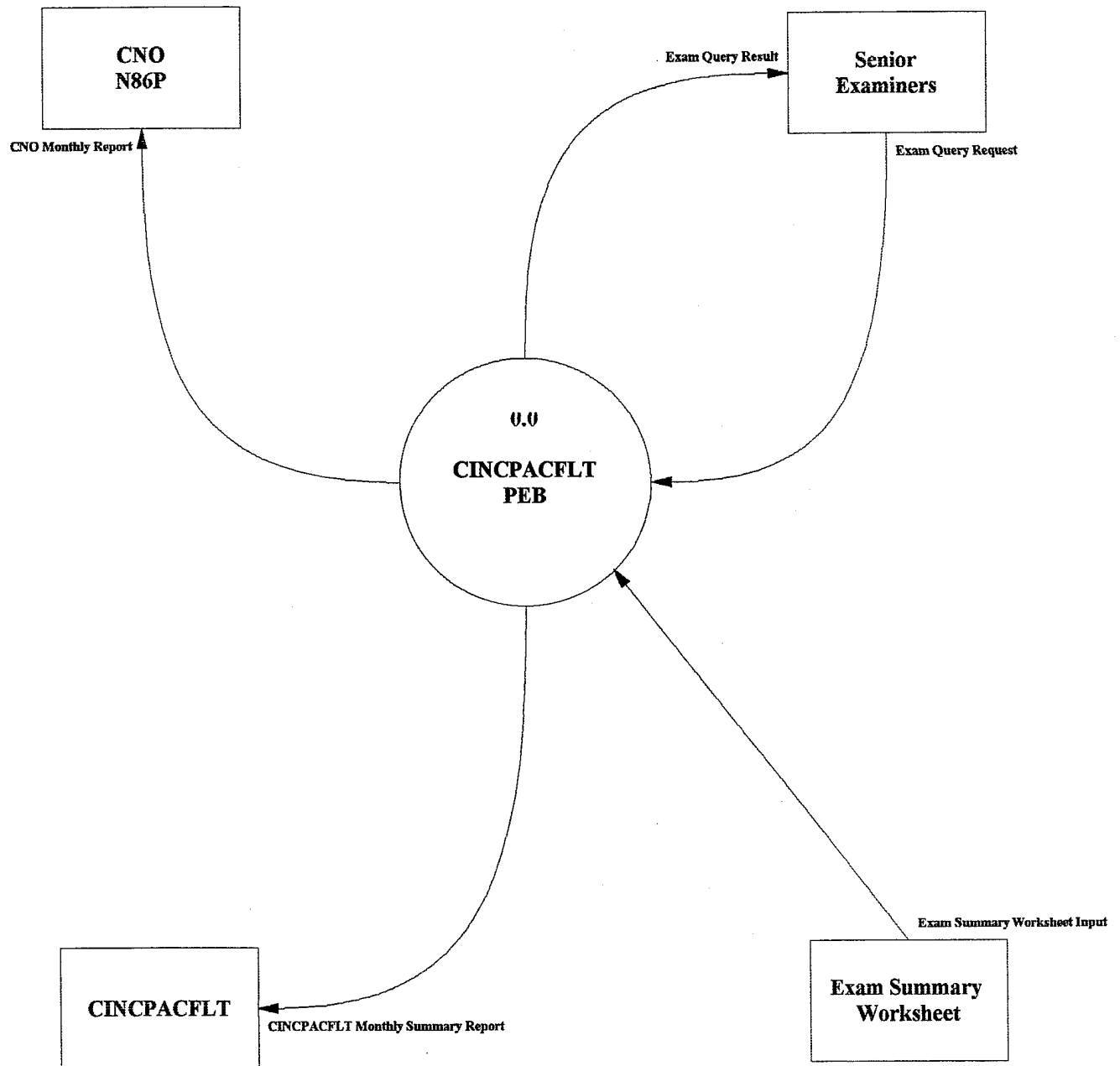
---

XO_Name	Type: Simple Value Profile: PersonName Contained in: Ship Caption: Description: The executive officer's last name ID Status: None Minimum Required: 1 Maximum Allowed: 1 Value Type: Text Length: 35 Format: Initial Value:
---------	--

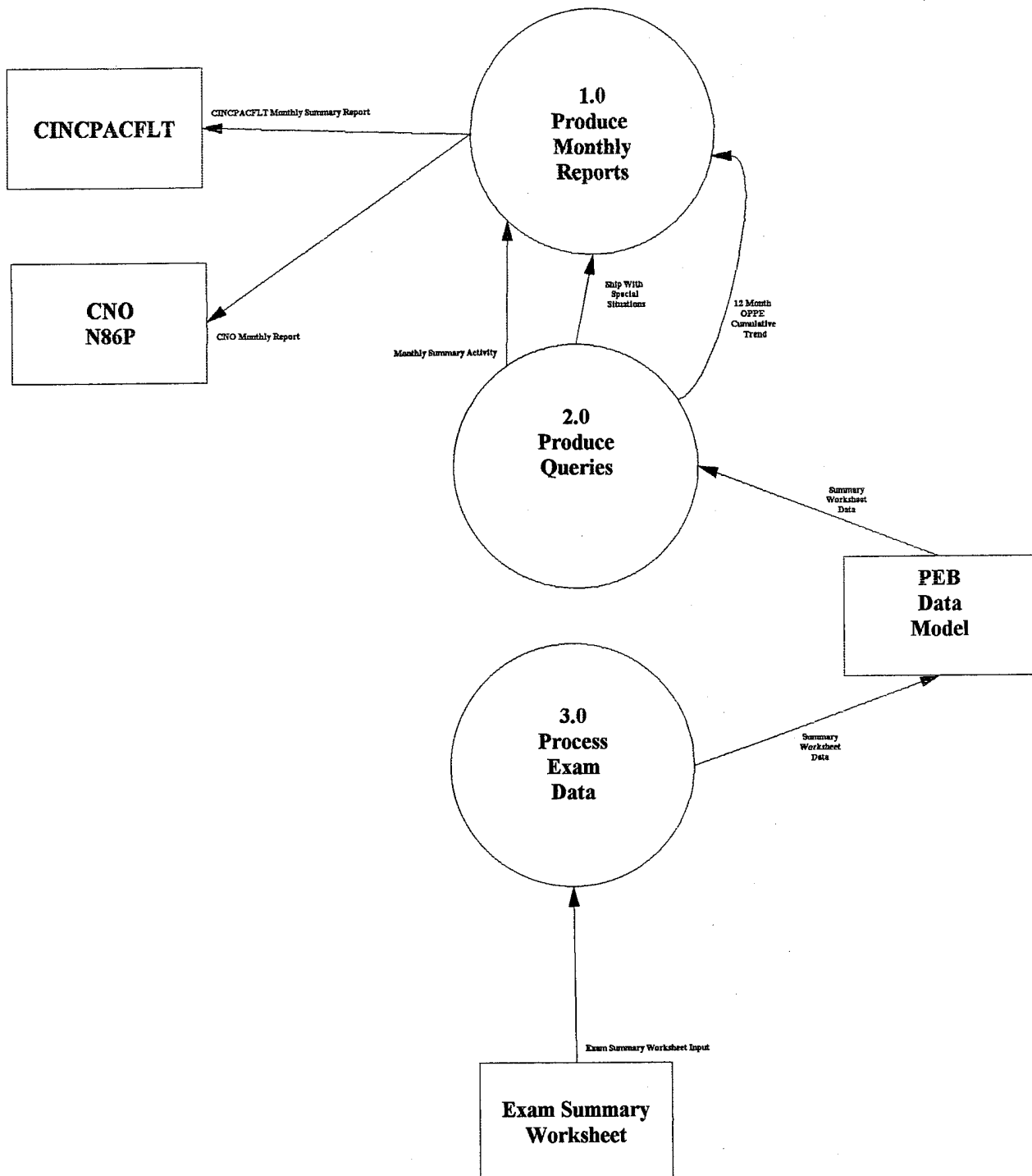
---

## APPENDIX C. DATA FLOW DIAGRAMS

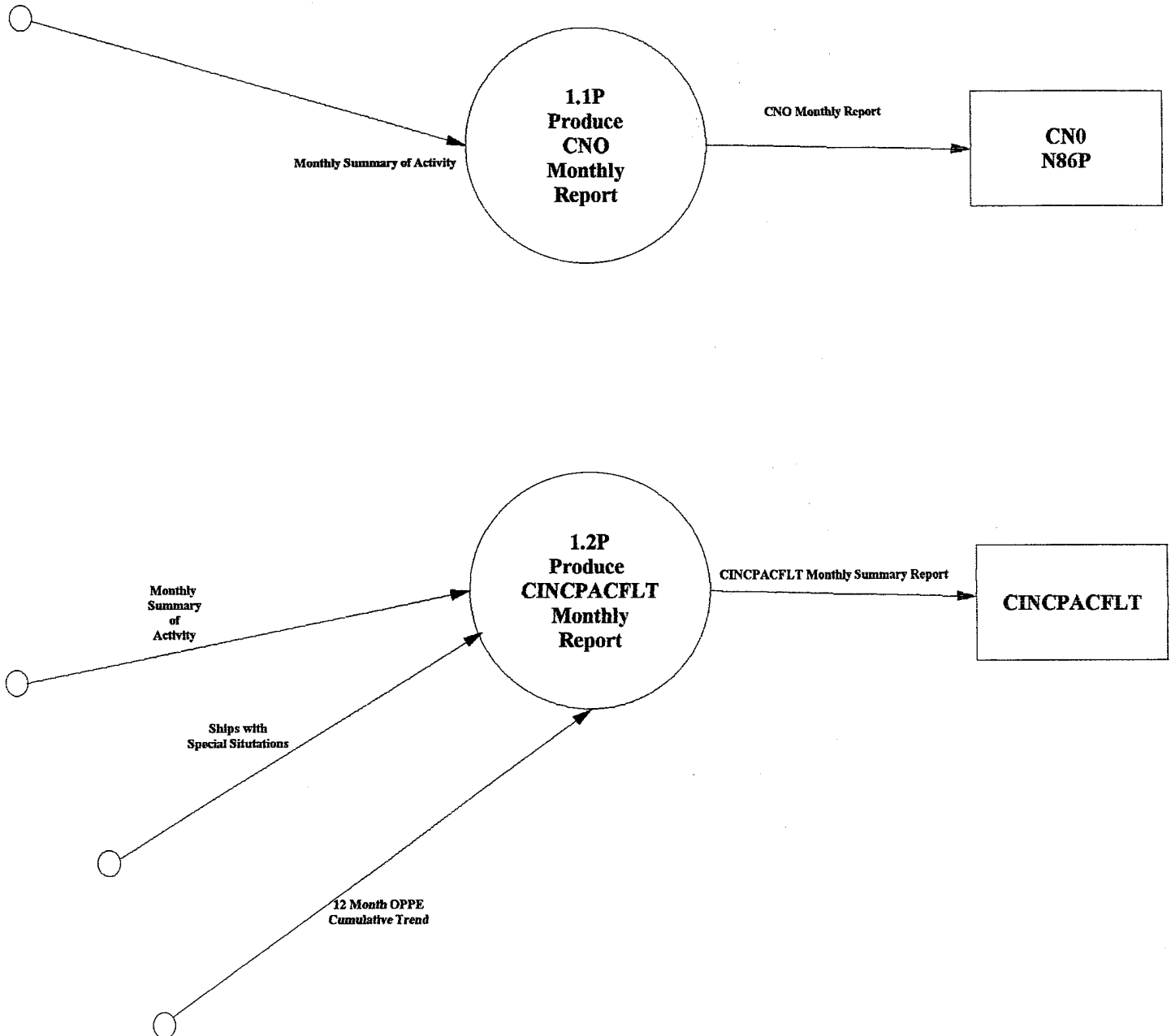
### Context Diagram



**Figure 0**  
**Diagram**



**Figure 1  
Diagram**



**Figure 2  
Diagram**

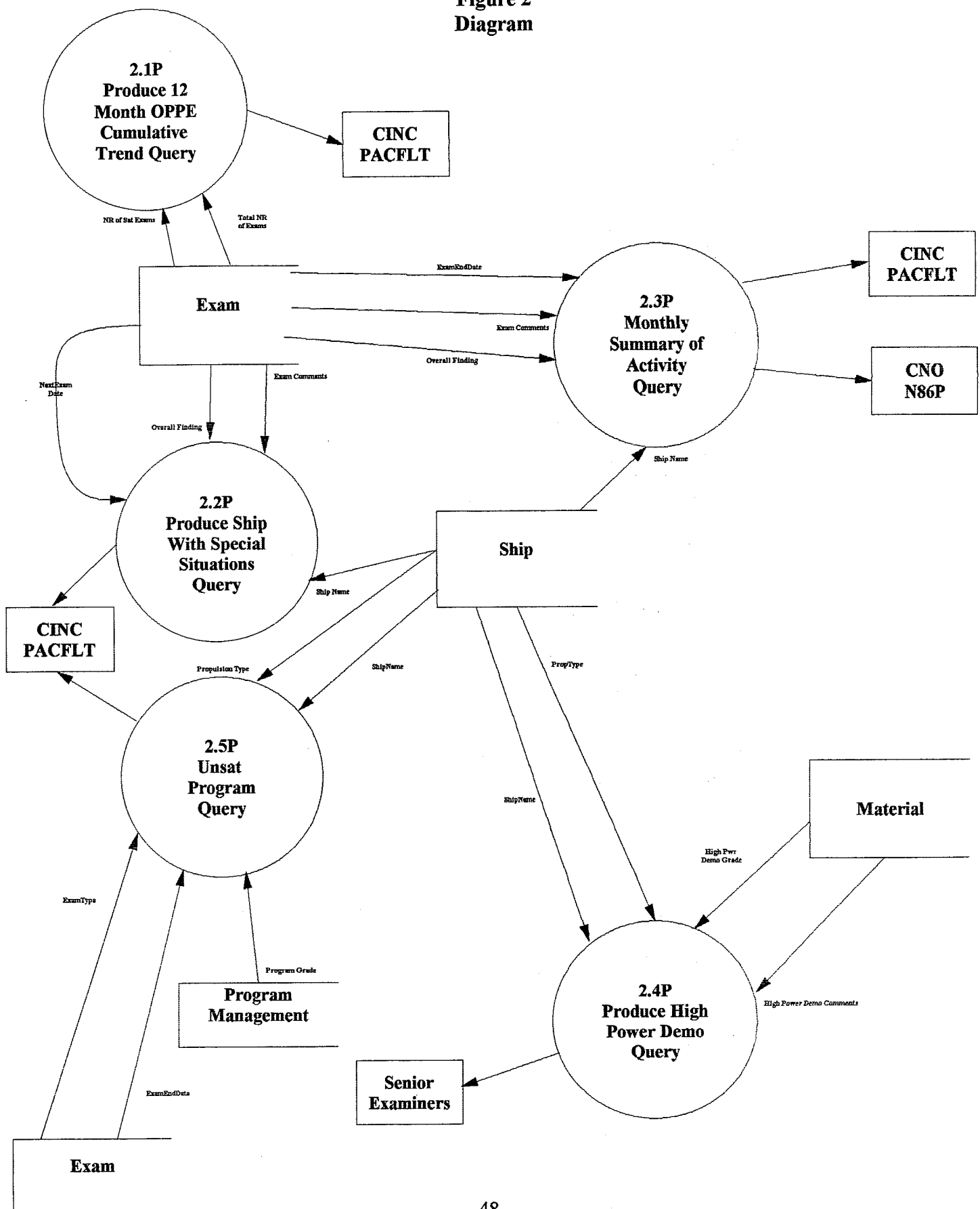
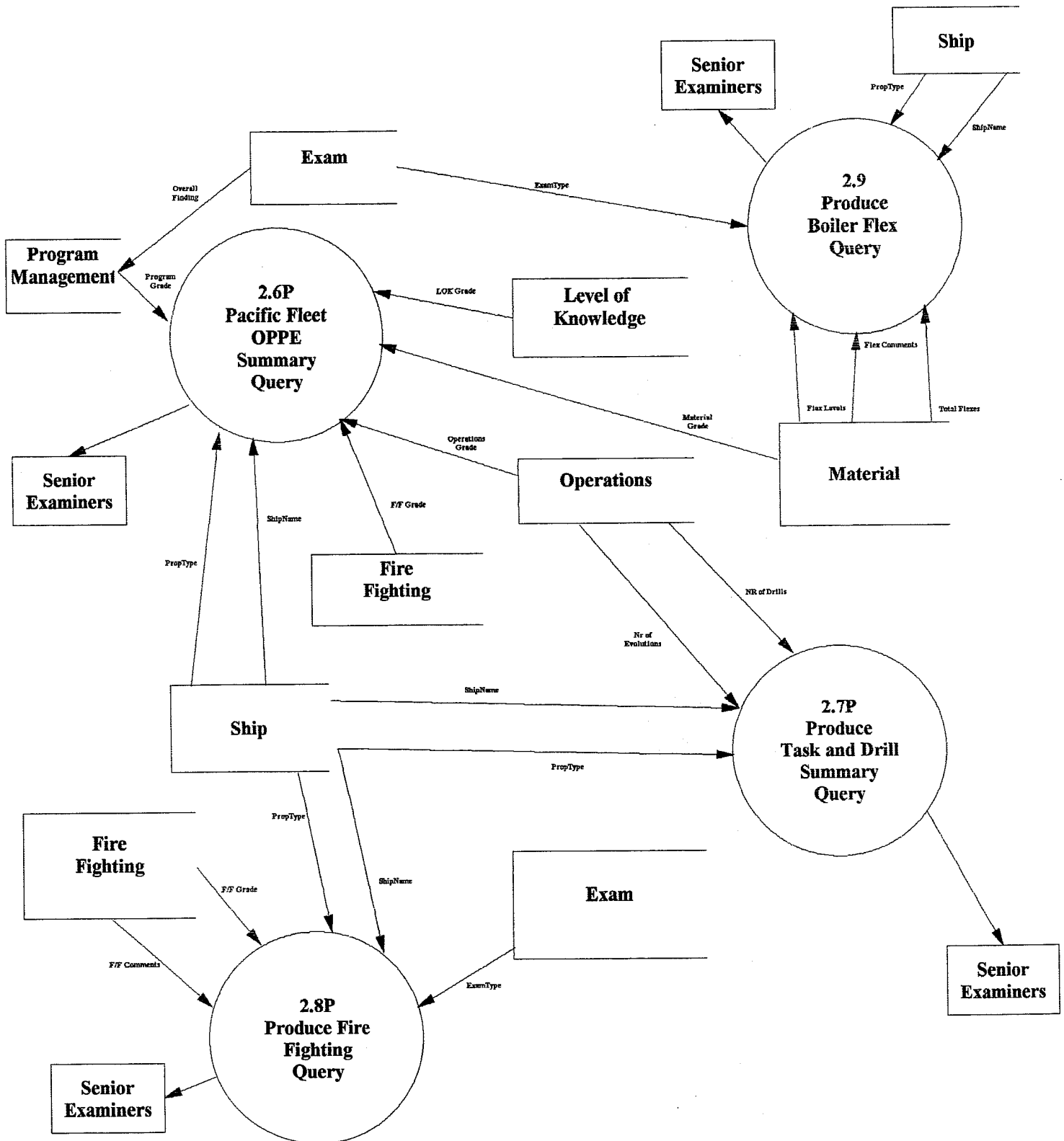
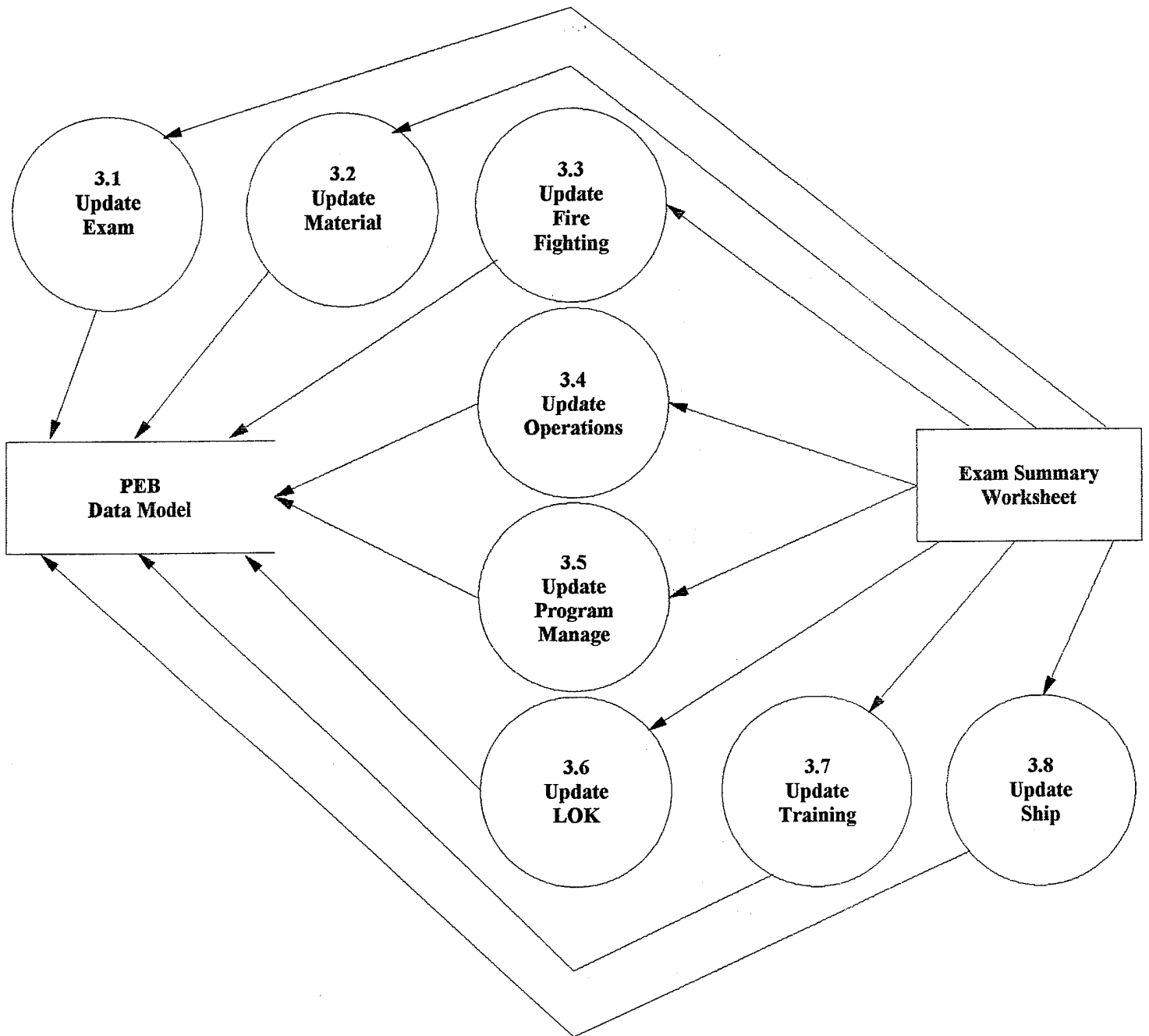




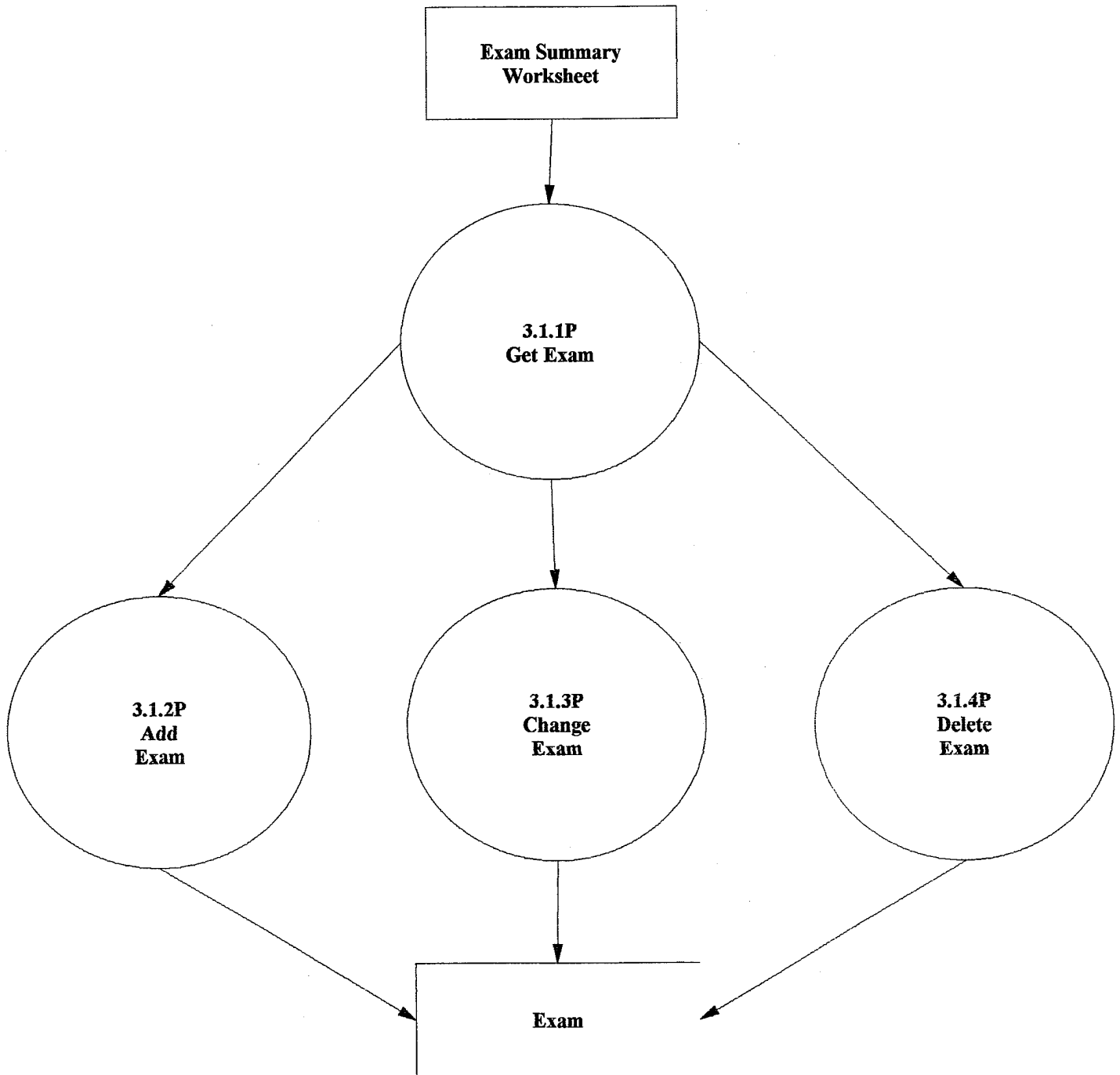
Figure 2  
Diagram



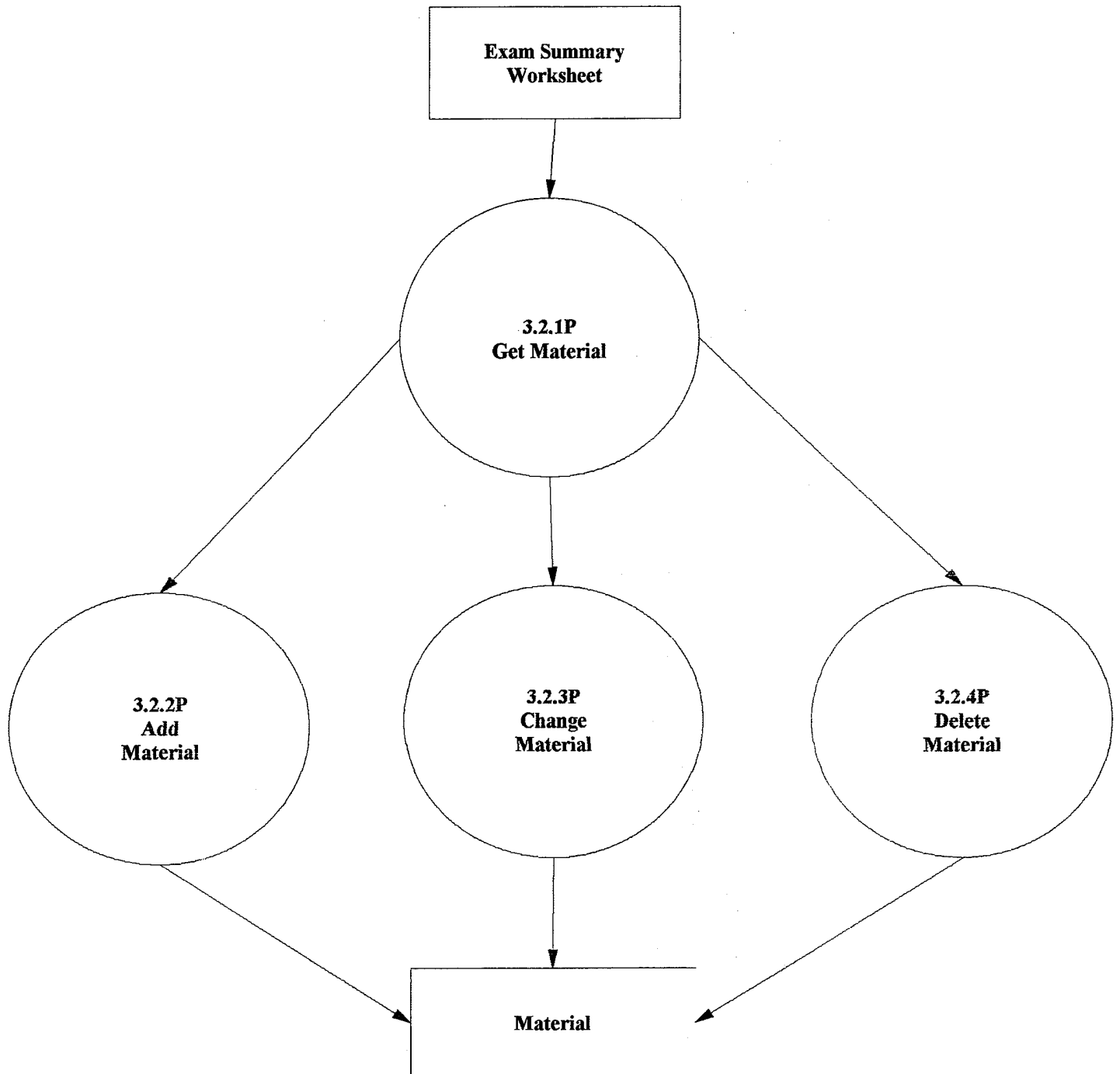
**Figure 3**  
**Diagram**



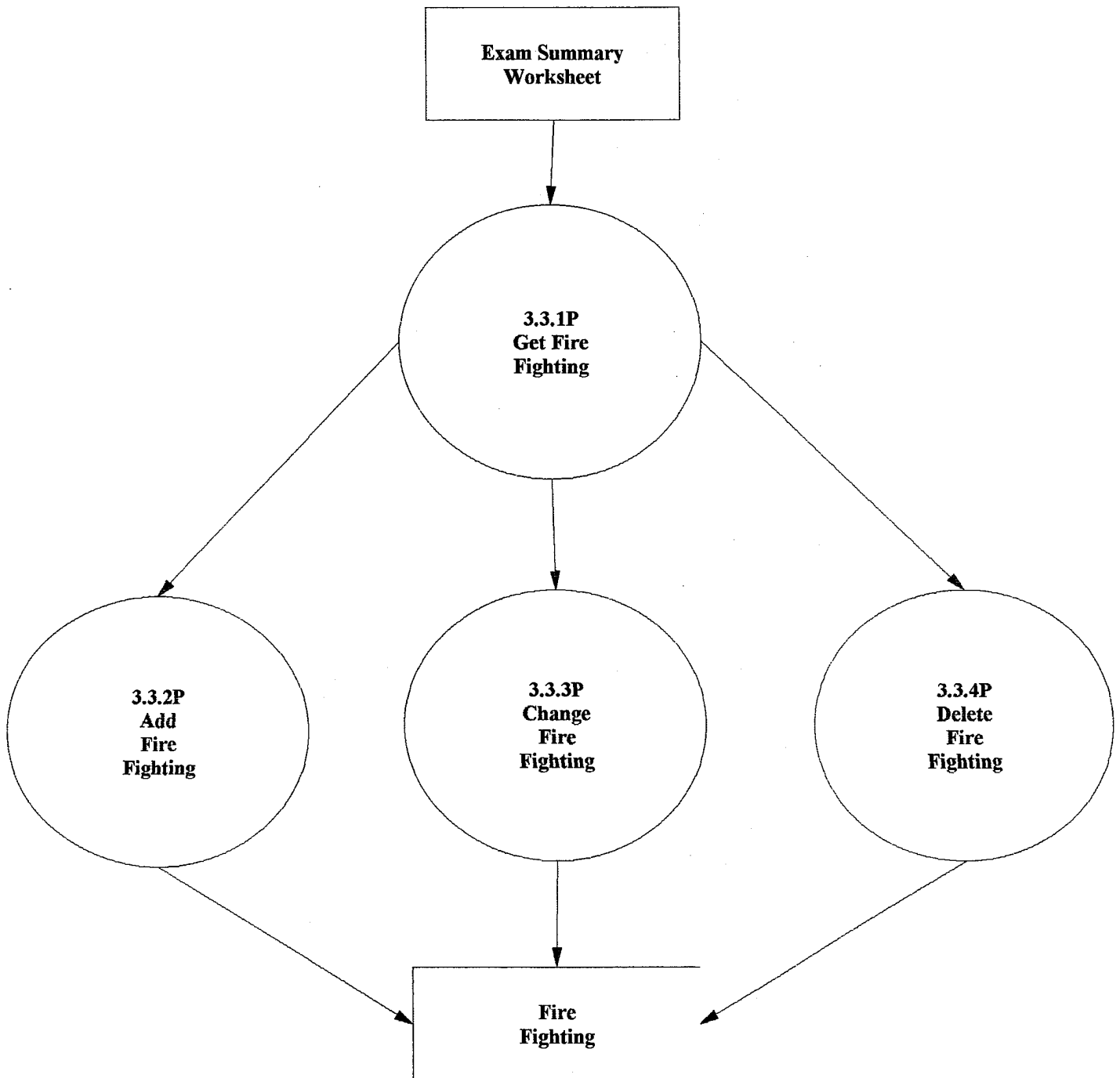
**Figure 3.1**  
**Diagram**



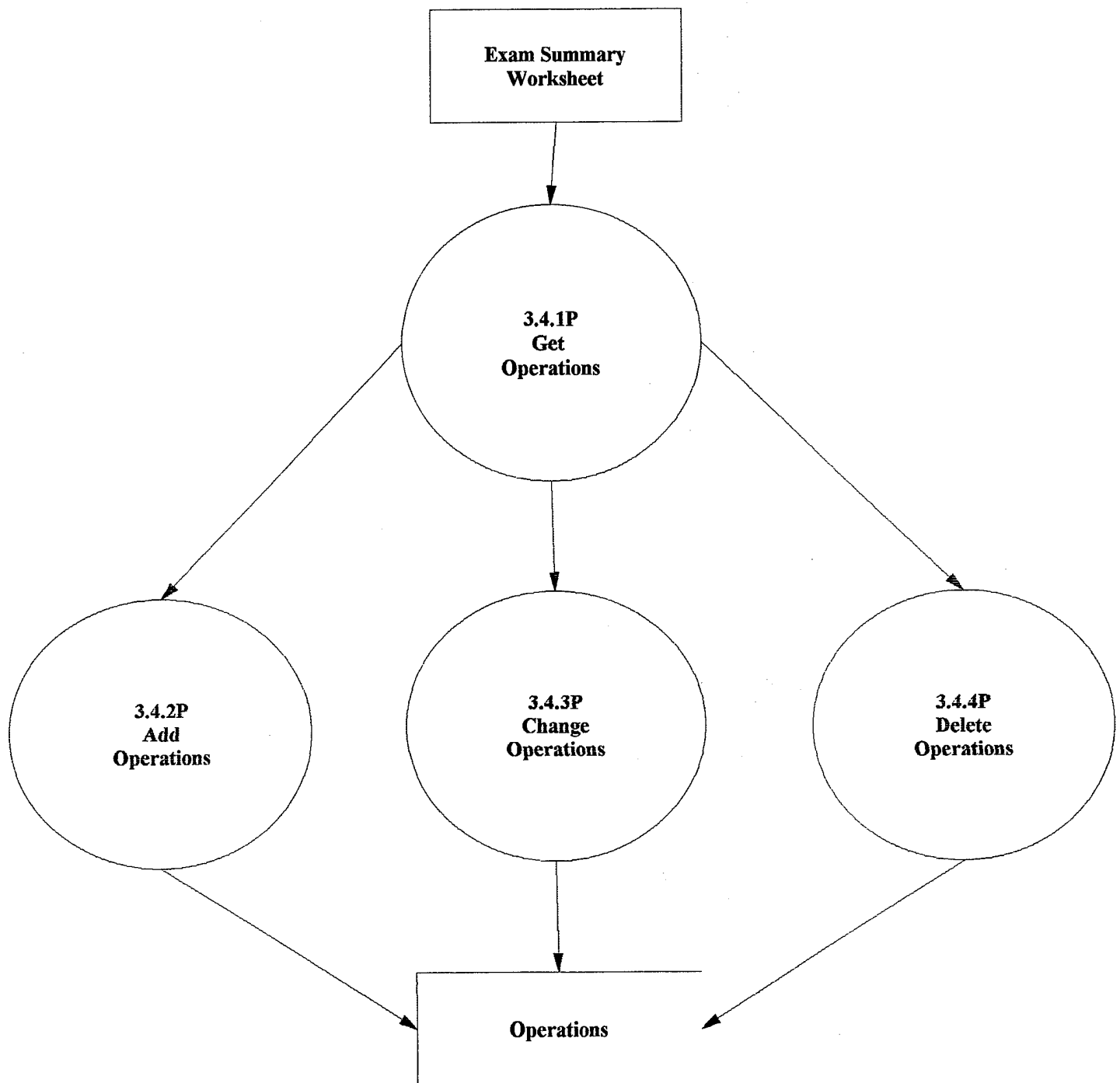
**Figure 3.2**  
**Diagram**



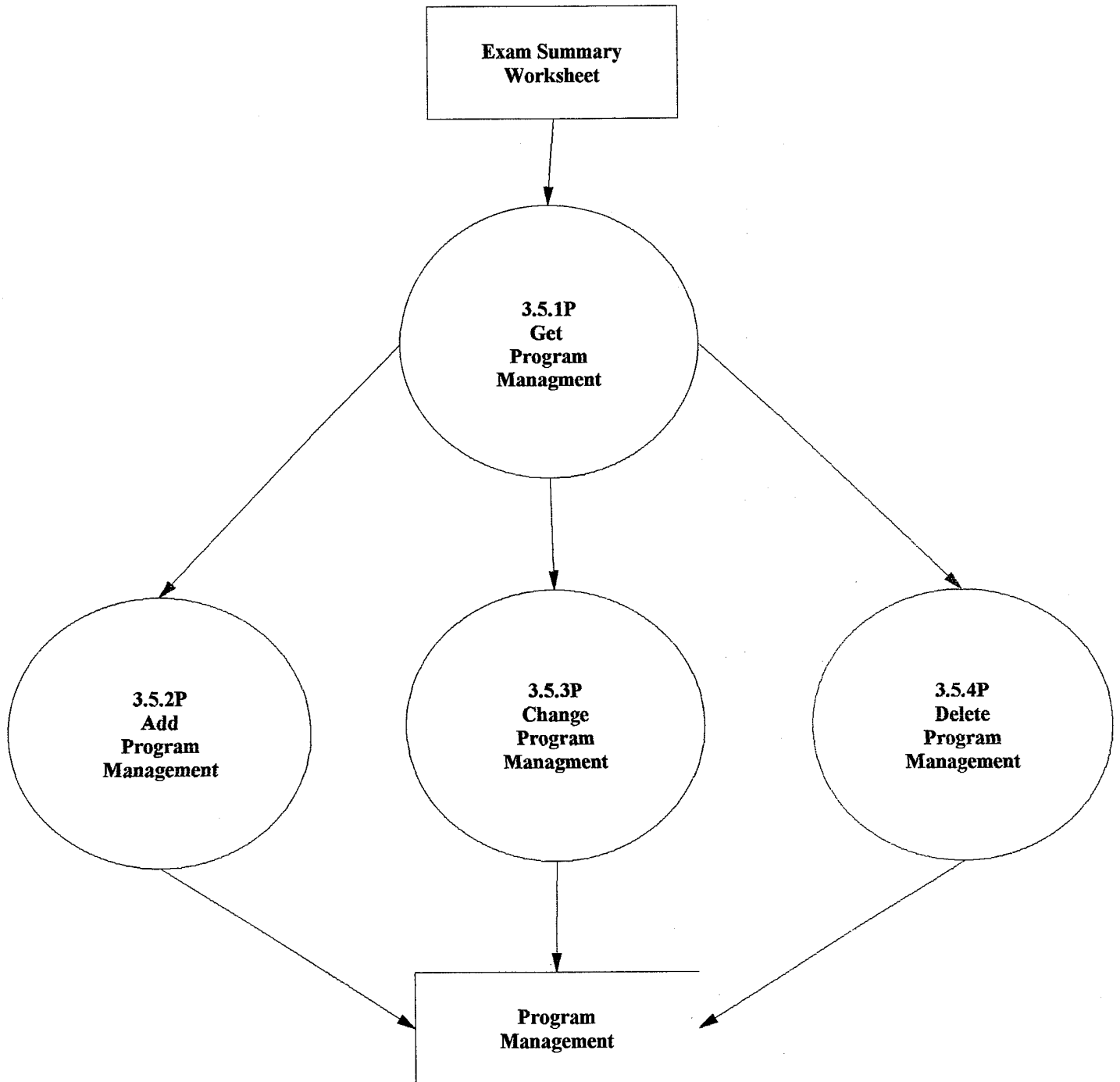
**Figure 3.3  
Diagram**



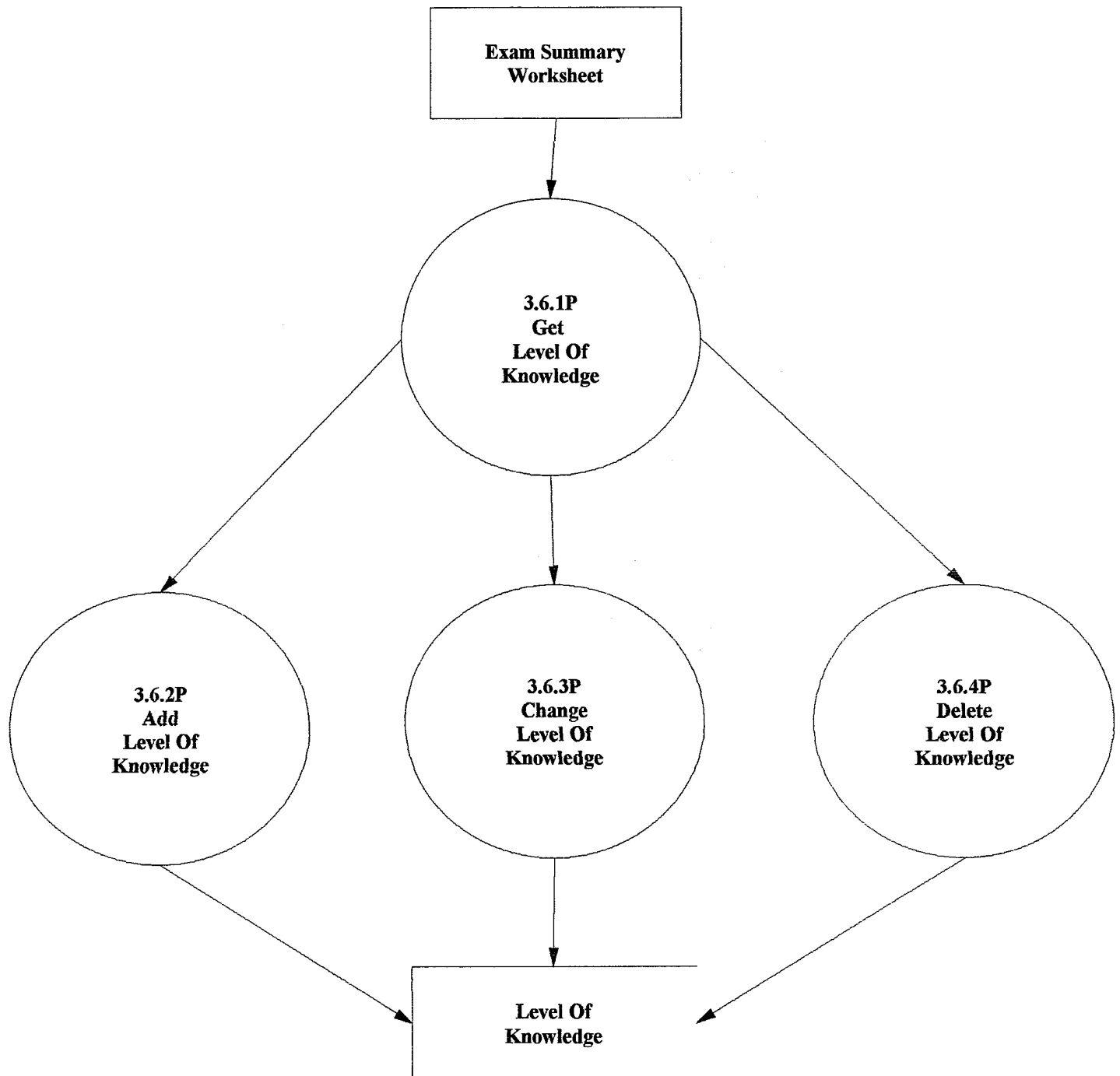
**Figure 3.4  
Diagram**



**Figure 3.5  
Diagram**

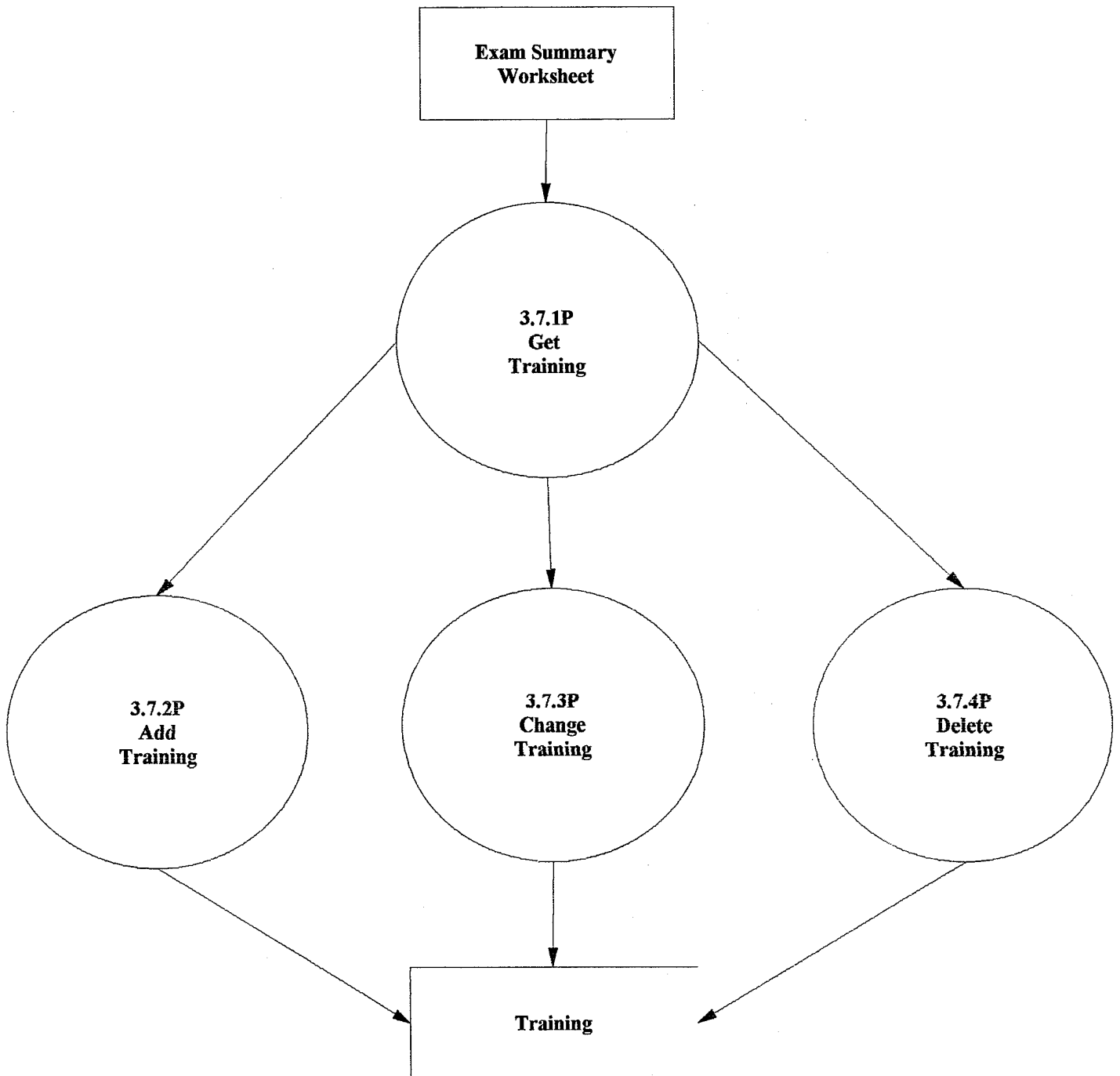


**Figure 3.6**  
**Diagram**

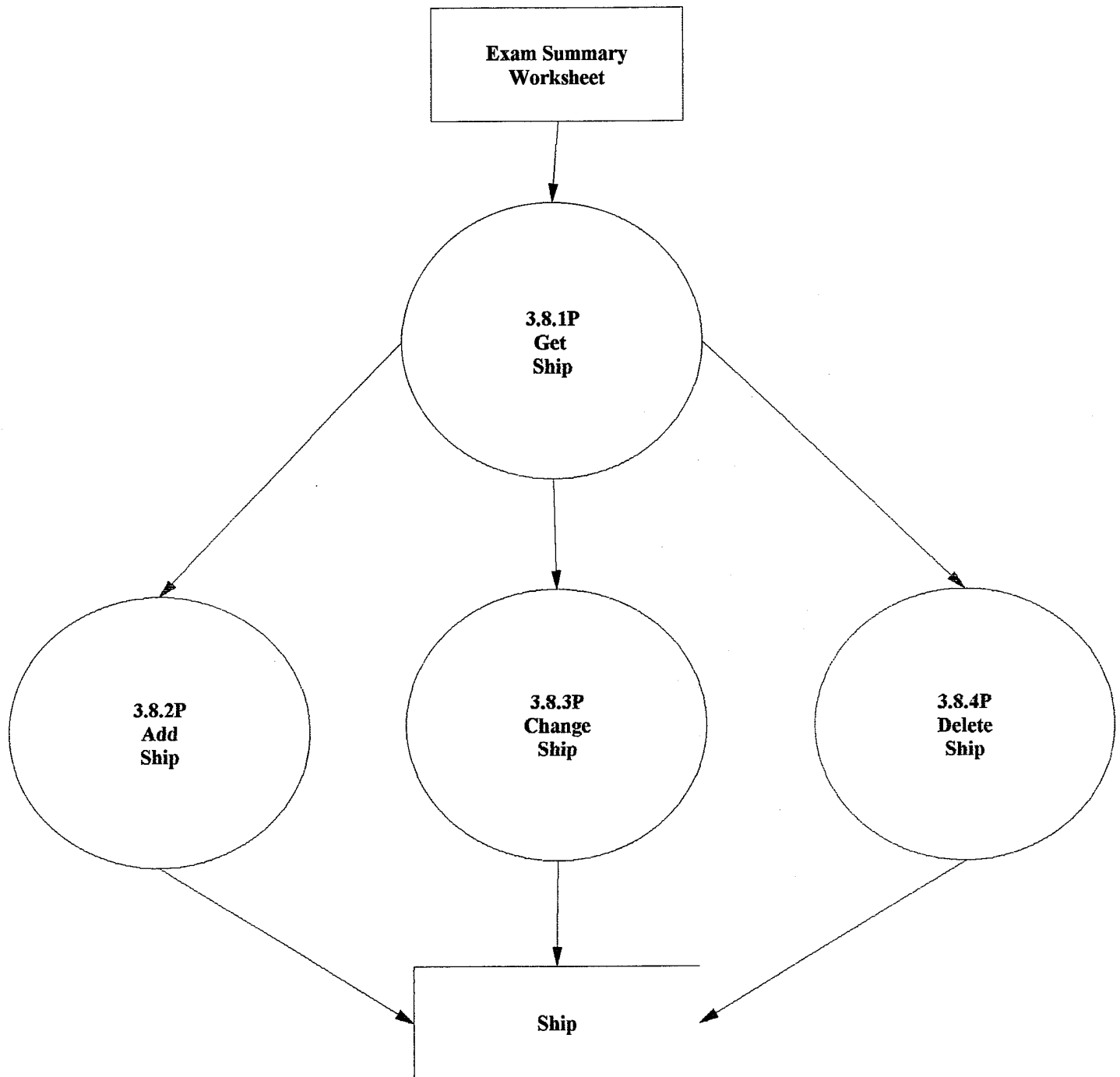




**Figure 3.7  
Diagram**



**Figure 3.8**  
**Diagram**



## APPENDIX D. PROCESS SPECIFICATIONS

### A. REPORTS

#### 1. Produce CNO Monthly Report (1.1P)

BEGIN

Run monthly summary of activity query

Display report

Print report

END

#### 2. Produce CINCPACFLT Monthly Report (1.2P)

BEGIN

Run monthly summary of activity query

Run ships with special situations query

Run twelve month OPPE cumulative trend query

Display report

Print report

END

### B. QUERIES

#### 1. Produce 12 Month OPPE Cumulative Trend Query (2.1P)

BEGIN

n=1

FOR n=1 to 12

Get start date of period from user

Get end date of period from user

Percentage=number of satisfactory exams/total number of exams

FROM start date to end date

Get number of satisfactory exams

Get total number of exams

Display percentage

END

n=n+1

END LOOP

END

#### 2. Produce Ship With Special Situations Query (2.2P)

BEGIN

Get start date of period from user

Get end date of period from user

FROM start date to end date

Get overall finding  
 Get next exam date  
 Get exam comments  
 Get ship name  
 Display over all finding  
 Display next exam date  
 Display exam comments  
 Display ship name

END

END

**3. Produce Monthly Summary of Activity Query (2.3P)**

BEGIN

Get start date of period from user  
 Get end date of period from user  
 FROM start date to end date  
 Get ship name  
 Get overall finding  
 Get exam comments  
 Get exam end date  
 Display ship name  
 Display overall finding  
 Display exam end date  
 Display exam comments

END

END

**4. Produce High Power Demo Query (2.4P)**

BEGIN

Get start date of period from user  
 Get end date of period from user  
 FROM start date to end date  
 Get high power demo grade  
 Get high power demo comments  
 Get ship name  
 Get propulsion type  
 Display high power demo grade  
 Display high power demo comments  
 Display ship name  
 Display propulsion type

END

END

**5. Produce Unsat Program Query (2.5P)**

BEGIN

Get start date of period from user  
 Get end date of period from user  
 FROM start date to end date  
     Get program grade  
     Get exam type  
     Get exam end date  
     Get ship name  
     Get propulsion type  
     Display program grade  
     Display exam type  
     Display exam end date  
     Display ship name  
     Display propulsion type

END

END

**6. Produce Pacific Fleet OPPE Summary Query (2.6P)**

BEGIN

Get start date of period from user  
 Get end date of period from user  
 FROM start date to end date  
     Get overall finding  
     Get program grade  
     Get level of knowledge grade  
     Get material grade  
     Get operations grade  
     Get fire fighting grade  
     Get ship name  
     Get propulsion type  
     Display overall finding grade  
     Display program grade  
     Display level of knowledge grade  
     Display material grade  
     Display operations grade  
     Display fire fighting grade  
     Display ship name  
     Display propulsion type

END

END

**7. Produce Task and Drill Summary Query (2.7P)**

BEGIN

Get start date of period  
     end date of period  
 FROM start date to end date

Get number of drills  
 Get number of tasks  
 Get shipname  
 Get propulsion type  
 Display number of drills  
 Display number of tasks  
 Display shipname  
 Display propulsion type

END

END

**8. Produce Fire Fighting Query (2.8P)**

BEGIN

Get start date of period  
 Get end date of period  
 FROM start date to end date  
 Get fire fighting grade  
 Get fire fighting comments  
 Get propulsion type  
 Get ship name  
 Get exam type  
 Display fire fighting grade  
 Display fire fighting comments  
 Display propulsion type  
 Display ship name  
 Display exam type

END

END

**9. Produce Boiler Flex Query (2.9P)**

BEGIN

Get start date of period  
 Get end date of period  
 FROM start date do end date  
 Get shipname  
 Get propulsion type  
 Get flex levels  
 Get total flexes  
 Get flex comments  
 Display shipname  
 Display propulsion type  
 Display flex levels  
 Display total flexes  
 Display flex comments

END

END

**C. EXAM**

**1. Get Exam Update (3.1.1P)**

BEGIN

Get user selection

Process user selection

END

**2. Add Exam (3.1.2P)**

BEGIN

Get new exam information

Store in Exam data store

END

**3. Change Exam (3.1.3P)**

BEGIN

Get desired exam information

Change exam information

Store in Exam data store

END

**4. Delete Exam (3.1.4P)**

BEGIN

Get desired exam information

Delete exam information

END

**D. MATERIAL**

**1. Get Material Update (3.2.1P)**

BEGIN

Get user selection

Process user selection

END

**2. Add Material (3.2.2P)**

BEGIN

Get new material information

Store in Material data store

END

**3. Change Material (3.2.3P)**

BEGIN

Get desired material information

Change material information

Store in Material data store

END

4. **Delete Material (3.2.4P)**  
 BEGIN  
     Get desired material information  
     Delete material information  
 END
- E. **FIRE FIGHTING**
  1. **Get Fire Fighting Update (3.3.1P)**  
 BEGIN  
     Get user selection  
     Process user selection  
 END
  2. **Add Fire Fighting (3.3.2P)**  
 BEGIN  
     Get new fire fighting information  
     Store in Fire Fighting data store  
 END
  3. **Change Fire Fighting (3.3.3P)**  
 BEGIN  
     Get desired fire fighting information  
     Change fire fighting information  
     Store in Fire Fighting data store  
 END
  4. **Delete Fire Fighting (3.3.4P)**  
 BEGIN  
     Get desired material information  
     Delete material information  
 END
- F. **OPERATIONS**
  1. **Get Operations Update (3.4.1P)**  
 BEGIN  
     Get user selection  
     Process user selection  
 END
  2. **Add Operations (3.4.2P)**  
 BEGIN  
     Get new operations information  
     Store in Operations data store  
 END
  3. **Change Operations (3.4.3P)**  
 BEGIN  
     Get desired operations information  
     Change operations information  
     Store in Operations data store



```

    END
4.   Delete Operations (3.4.4P)
    BEGIN
        Get desired operations information
        Delete operations information
    END
G.   PROGRAM MANAGEMENT
1.   Get Program Management Update (3.5.1P)
    BEGIN
        Get user selection
        Process user selection
    END
2.   Add Program Management (3.5.2P)
    BEGIN
        Get new program management information
        Store in Program Management data store
    END
3.   Change Program Management (3.5.3P)
    BEGIN
        Get desired program management information
        Change program management information
        Store in Program Management data store
    END
4.   Delete Program Management (3.5.4P)
    BEGIN
        Get desired program management information
        Delete program management information
    END
H.   LEVEL OF KNOWLEDGE
1.   Get Level of Knowledge Update (3.6.1P)
    BEGIN
        Get user selection
        Process user selection
    END
2.   Add Level of Knowledge (3.6.2P)
    BEGIN
        Get new program management information
        Store in Program Management data store
    END
3.   Change Level of Knowledge (3.6.3P)
    BEGIN
        Get desired level of knowledge information

```

Change level of knowledge information  
Store in Level of Knowledge data store

END

**4. Delete Level of Knowledge (3.6.4P)**

BEGIN

Get desired level of knowledge information  
Delete level of knowledge information

END

**I. TRAINING**

**1. Get Training Update (3.7.1P)**

BEGIN

Get user selection  
Process user selection

END

**2. Add Training (3.7.2P)**

BEGIN

Get new training information  
Store in Training data store

END

**3. Change Training (3.7.3P)**

BEGIN

Get desired training information  
Change training information  
Store in Training data store

END

**4. Delete Training (3.7.4P)**

BEGIN

Get desired training information  
Delete training information

END

**J. SHIP**

**1. Get Ship Update (3.8.1P)**

BEGIN

Get user selection  
Process user selection

END

**2. Add Ship (3.8.2P)**

BEGIN

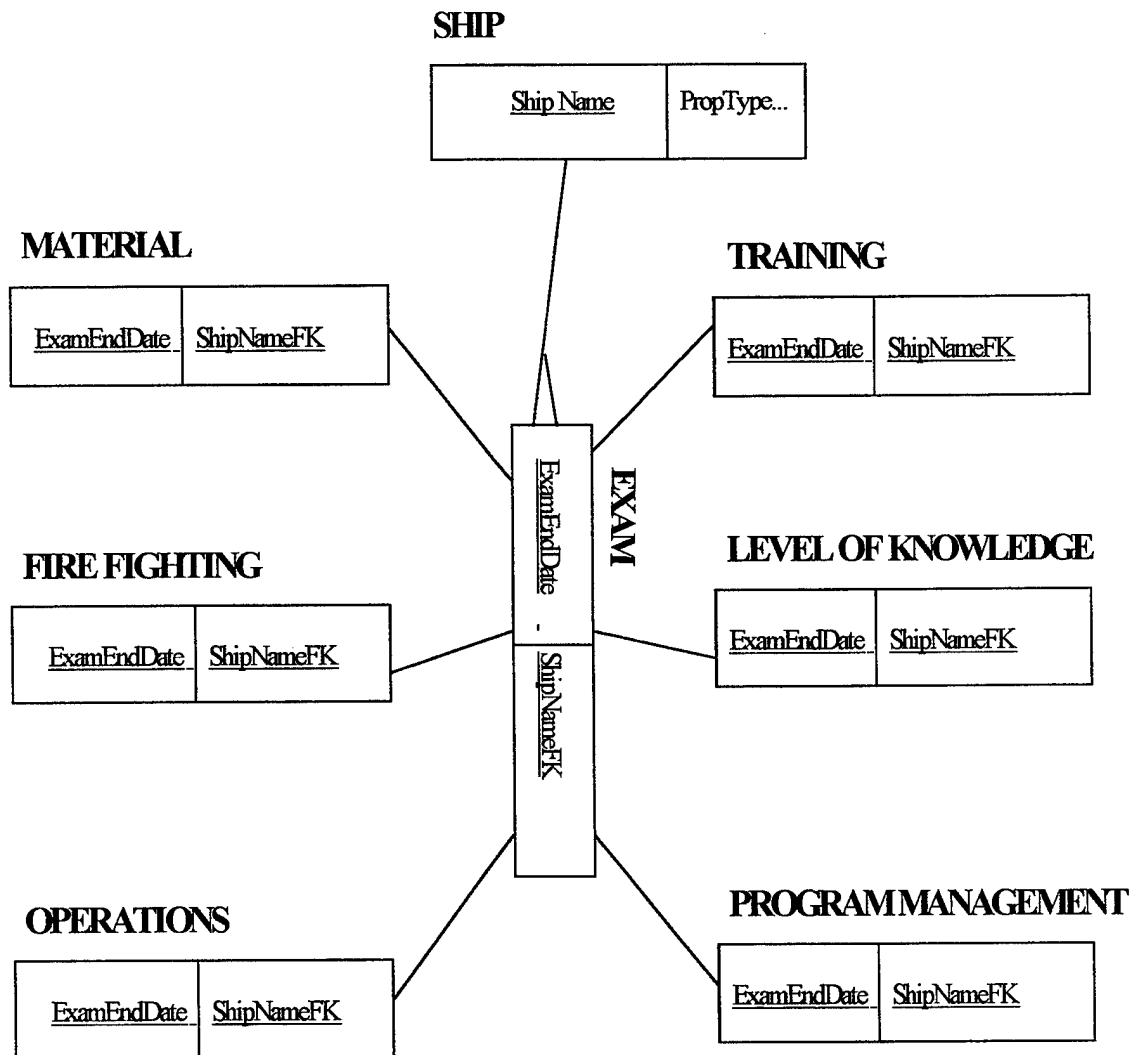
Get new ship information  
Store in Ship data store

END

3. **Change Ship (3.8.3P)**  
BEGIN  
    Get desired ship information  
    Change ship information  
    Store in Ship data store  
END
4. **Delete Ship (3.8.4P)**  
BEGIN  
    Get desired ship information  
    Delete ship information  
END



## APPENDIX E. RELATIONAL DIAGRAM





## APPENDIX F. INPUT AND QUERY FORMS

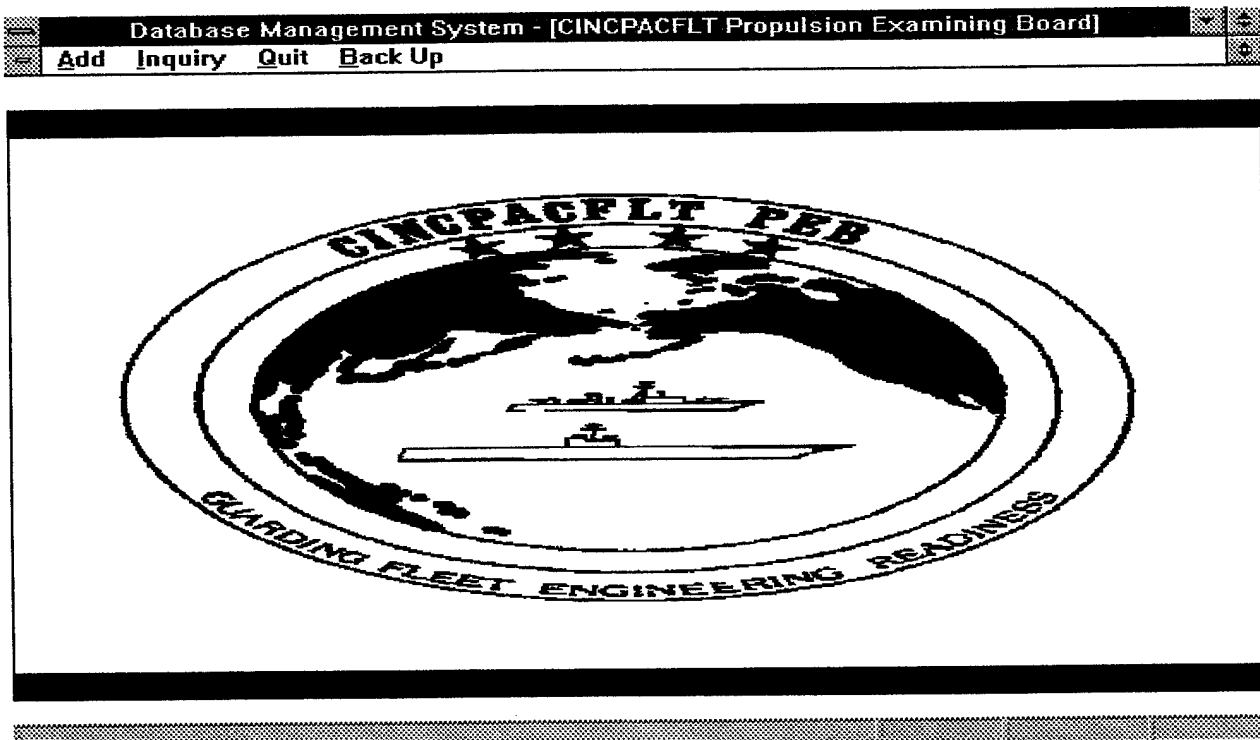


Figure [1] Main Menu

Database Management System - [Ship Input Form]

Record Quit Help

**Ship**

Ship Name	ENTERED
Hull Number	CC54
PropType	GT
ISIC	CDS4
CO Name	ENCINAS
XO Name	ENCINAS
CHENG Name	ENCINAS

INSERT  
NEW  
SHIP

1 of 5 [SHIP DB]

Figure [2] Ship Input Form

Database Management System - [Exam Input Form]	
Record Quit Help	
<h1>Exam</h1>	
Ship Name : <input type="text" value="ENIGLAND"/> Hull Number : <input type="text" value="CG22"/> Prop Type : <input type="text" value="STM"/> ISIC : <input type="text" value="CDSB"/> CO Name : <input type="text" value="SMITH"/> XO Name : <input type="text" value="JONES"/> CHENG Name : <input type="text" value="JOHNSON"/>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> INSERT NEW EXAM </div> ExamEndDate : <input type="text" value="11/11/94"/> ExamType : <input type="text" value="OPPE"/> Project Officer : <input type="text" value="SMITH"/> Senior Examiner : <input type="text" value="JONES"/> Adjective Grade : <input type="text" value="UNS"/> Overall Finding : <input type="text" value="UNS"/> Cleared : <input type="text" value="Y"/>
PreviousExamType : <input type="text" value="OPPE"/> PreviousExamGrade : <input type="text" value="SAT"/> NextExamDate : <input type="text" value="11/11/99"/>	Comments : <div style="border: 1px solid black; height: 100px;"></div>
1 of 7 [EXAM.DB] <span style="float: right;">Edit</span>	

Figure [3] Exam Input Form

Database Management System - [Fire Fighting Input Form]	
Record Quit Help	
<h1>Fire Fighting</h1>	
Ship Name : <input type="text" value="AMERSTAM"/> HullNumber : <input type="text" value="CG54"/> PropType : <input type="text" value="GT"/> ISIC : <input type="text" value="CDS4"/> CO Name : <input type="text" value="ENCINAS"/> XO Name : <input type="text" value="ENCINAS"/> CHENG Name : <input type="text" value="ENCINAS"/>	<div style="border: 1px solid black; padding: 5px; text-align: center;"> INSERT NEW F/F </div> ExamEndDate : <input type="text" value="11/11/95"/> MSFD Grade : <input type="text" value="SAT"/> Space DC Equip Grade : <input type="text" value="SAT"/> Halon Grade : <input type="text" value="SAT"/> APFF Grade : <input type="text" value="SAT"/> RepV Inventory Grade : <input type="text" value="SAT"/>
Rep V Majors : <input type="text" value="22"/> Rep V Minors : <input type="text" value="22"/> DC Majors : <input type="text" value="22"/> DC Minors : <input type="text" value="22"/>	DCTT Grade : <input type="text" value="SAT"/> DCTT : <input type="text" value="GOOD"/> Comments : <div style="border: 1px solid black; height: 100px;"></div>
1 of 4 [FIREFIGHT.DB] <span style="float: right;">Edit</span>	

Figure [4] Fire Fighting Input Form



Database Management System - [Material Input Form]	
Record Quit Help	
<h1>Material</h1>	
Ship Name : <input type="text" value="ARHETAM"/>	Exam End Date : <input type="text" value="11/11/94"/>
Hull Number : <input type="text" value="CG54"/>	Total Number Of Majors : <input type="text" value="44"/>
PropType : <input type="text" value="GT"/>	Total Number Of Minors : <input type="text" value="44"/>
ISIC : <input type="text" value="CDS4"/>	Ship Reported Degradations : <input type="text" value="44"/>
CO Name : <input type="text" value="ENCINIAS"/>	PEB ID Degradations : <input type="text" value="44"/>
XO Name : <input type="text" value="ENCINIAS"/>	Ship Reported OOC : <input type="text" value="44"/>
CHENG Name : <input type="text" value="ENCINIAS"/>	PEB ID OOC : <input type="text" value="44"/>
Valve Maintenance Grade : <input type="text" value="SAT"/>	Standard Equipment Satisfied? : <input type="text" value="Y"/>
CSMP Grade : <input type="text" value="SAT"/>	Total Number Of Level 1 Flex : <input type="text" value="0"/>
Gage Cal Grade : <input type="text" value="SAT"/>	Total Number Of Level 2 Flex : <input type="text" value="0"/>
Material Self Assess Grade : <input type="text" value="SAT"/>	Total Number Of Level 3 Flex : <input type="text" value="0"/>
Preservation Grade : <input type="text" value="SAT"/>	Total Number Of Level 4 Flex : <input type="text" value="0"/>
1 of 5 [MATERIAL.DB] Edit	

Figure [5] Material Input Form

Database Management System - [Operations Input Form]	
Record Quit Help	
<h1>Operations</h1>	
Ship Name : <input type="text" value="ARHETAM"/>	Exam End Date : <input type="text" value="11/11/94"/>
Hull Number : <input type="text" value="CG54"/>	% of Sat Evolutions 1st Sec : <input type="text" value="45.00"/>
PropType : <input type="text" value="GT"/>	% of Sat Evolutions 2nd Sec : <input type="text" value="55.00"/>
ISIC : <input type="text" value="CDS4"/>	% of Sat Evolutions 3rd Sec : <input type="text" value="30.00"/>
CO Name : <input type="text" value="ENCINIAS"/>	% of Sat Drills 1st Sec : <input type="text" value="45.00"/>
XO Name : <input type="text" value="ENCINIAS"/>	% of Sat Drills 2nd Sec : <input type="text" value="55.00"/>
CHENG Name : <input type="text" value="ENCINIAS"/>	% of Sat Drills 3rd Sec : <input type="text" value="30.00"/>
	Number Of Sat Watch Sections : <input type="text" value="1"/>
Eccit Grade : <input type="text" value="SAT"/>	Operation Grade : <input type="text" value="UNS"/>
Eccit Comments : <input type="text"/>	Operation Comments : <input type="text"/>
1 of 2 [OPERATIO.DB] Edit	

Figure [6] Material Input Form

Database Management System - [Program Management Input Form]		
Record Quit Help		
<h2>Program Managment</h2>		
Ship Name: <input type="text" value="ANTIFAM"/>	Exam End Date: <input type="text" value="11/11/94"/>	
Hull Number: <input type="text" value="CG54"/>	BWFW Grade: <input type="text" value="UNS"/>	LOGM Grade: <input type="text" value="SAT"/>
Prop Type: <input type="text" value="GT"/>	DJWTT Grade: <input type="text" value="NA"/>	FOGM Grade: <input type="text" value="SAT"/>
ISIC: <input type="text" value="CDS4"/>	Operation Logs Grade: <input type="text" value="SAT"/>	DETA Grade: <input type="text" value="NA"/>
CO Name: <input type="text" value="ENCINIAS"/>	MGTESR Grade: <input type="text" value="UNS"/>	Legal Records Grade: <input type="text" value="SAT"/>
XO Name: <input type="text" value="ENCINIAS"/>	Tagout Grade: <input type="text" value="SAT"/>	Bearing Records Grade: <input type="text" value="SAT"/>
CHENG Name: <input type="text" value="ENCINIAS"/>	Electrical Safety Grade: <input type="text" value="SAT"/>	Hearing Conservation Grade: <input type="text" value="SAT"/>
	QA Grade: <input type="text" value="SAT"/>	OLV Grade: <input type="text" value="NA"/>
Program Management Grade: <input type="text" value="SAT"/>		
Program Comments: <input type="text"/>		
Record deleted Edit		

Figure [7] Program Management Input Form

Database Management System - [Training Input Form]	
Record Quit Help	
<h2>Training</h2>	
Ship Name: <input type="text" value="ANTIFAM"/>	Exam End Date: <input type="text" value="11/11/94"/>
Hull Number: <input type="text" value="CG54"/>	PGS Grade: <input type="text" value="SAT"/>
Prop Type: <input type="text" value="GT"/>	Training Grade: <input type="text" value="SAT"/>
ISIC: <input type="text" value="CDS4"/>	Number Of Sat Eopw: <input type="text" value="4"/>
CO Name: <input type="text" value="ENCINIAS"/>	Number Of Sat Oil King: <input type="text" value="4"/>
XO Name: <input type="text" value="ENCINIAS"/>	Number Of Sat ENOW: <input type="text" value="0"/>
CHENG Name: <input type="text" value="ENCINIAS"/>	Number Of Sat Generator Operator: <input type="text" value="0"/>
Number Of Sat Boiler Operator: <input type="text" value="3"/>	Number Of Sat Messenger/Eng Op: <input type="text" value="0"/>
Number Of Sat BTCW/Console Operator: <input type="text" value="3"/>	
Number Of Sat MMOW: <input type="text" value="3"/>	
Number Of Sat EDO/SWBDOperator: <input type="text" value="0"/>	
1 of 2 [TRAINING.DB] Edit Locked	

Figure [8] Training Input Form

Database Management System - [Level Of Knowledge Input Form]

Record Quit Help

## Level Of Knowledge

Ship Name: <input type="text" value="ANNESTON"/> Hull Number: <input type="text" value="CG54"/> Prop Type: <input type="text" value="GT"/> <span style="border: 1px solid black; padding: 2px;">INSERT NEW LOK</span> ISIC: <input type="text" value="CDS4"/> CO Name: <input type="text" value="ENCINAS"/> XO Name: <input type="text" value="ENCINAS"/> CHENG Name: <input type="text" value="ENCINAS"/> LOK Comments: <input type="text" value="GOOD Program..."/>	Exam End Date: <input type="text" value="11/11/94"/> % Pass Written Exam: <input type="text" value="66.00"/> Avg Score Written: <input type="text" value="66.00"/> % Pass DC Exam: <input type="text" value="66.00"/> Avg Score DC: <input type="text" value="66.00"/> % Pass Sup Exam: <input type="text" value="66.00"/> Avg Score Sup: <input type="text" value="66.00"/> Avg Score EM Sup: <input type="text" value="66.00"/>
--	--

1 of 3 [LEVELOK.DB] Edit

Figure [9] Level of Knowledge Input Form

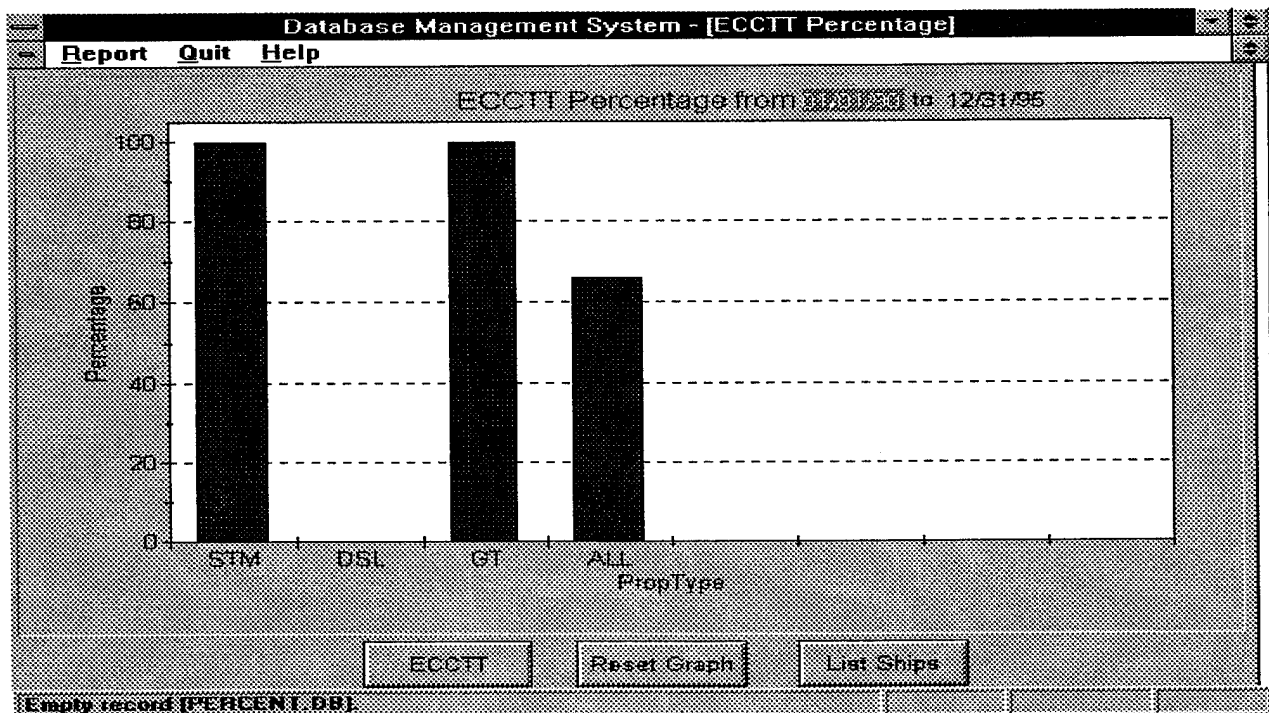


Figure [10] ECCTT Query



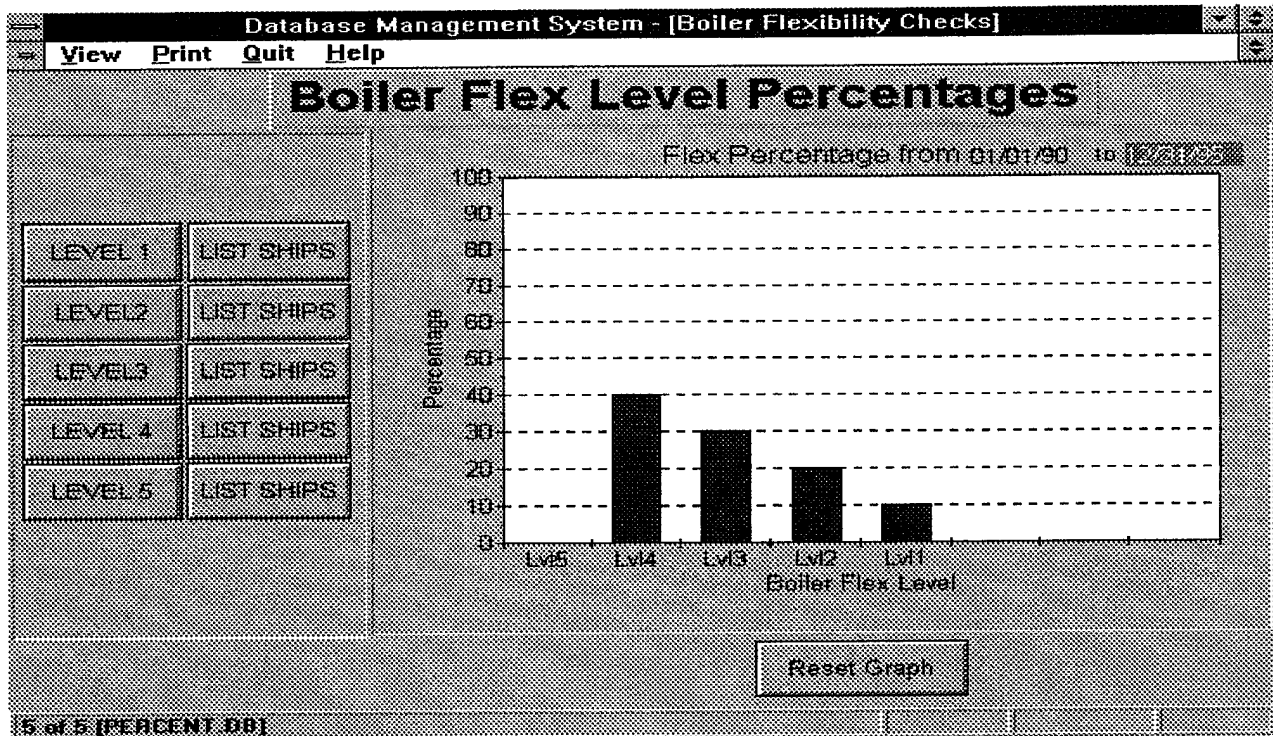


Figure [11] Boiler Flex Query

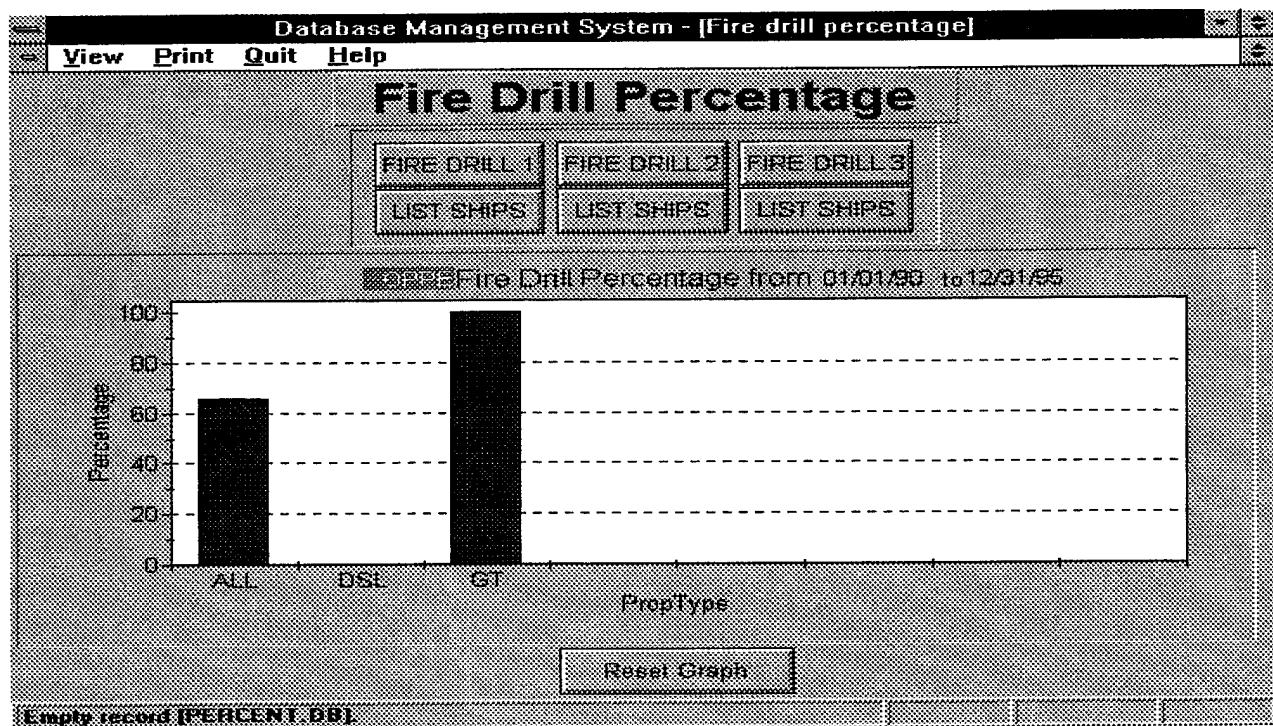


Figure [12] Fire Drill Percentage Query

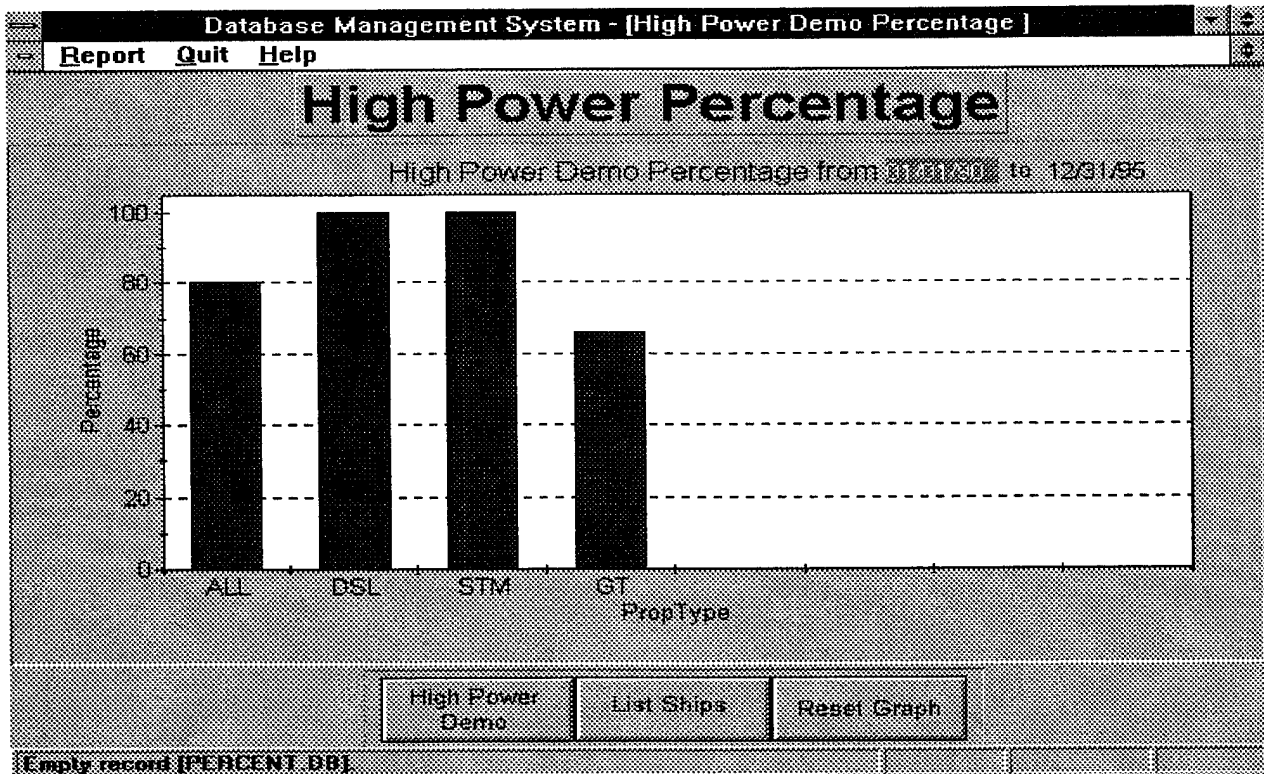


Figure [13] High Power Demo Percentage Query

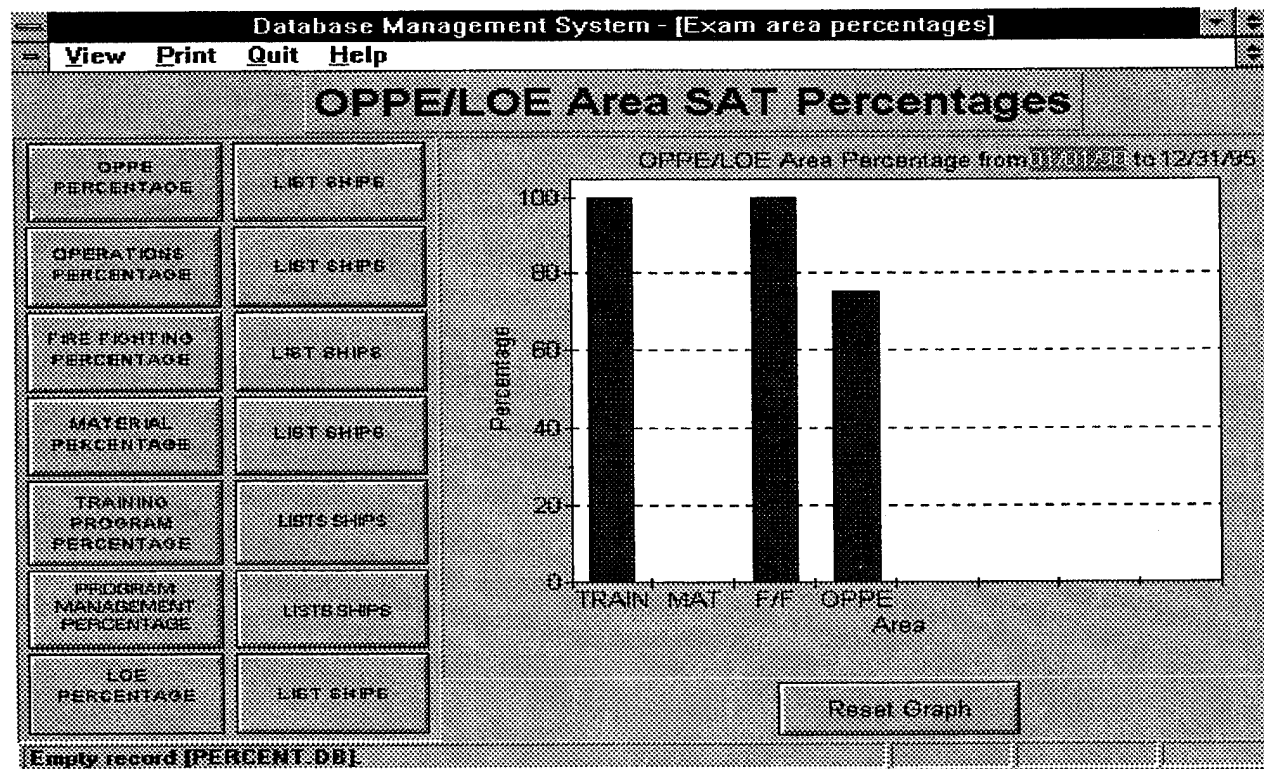


Figure [14] OPPE/LOE Area Percentage Query

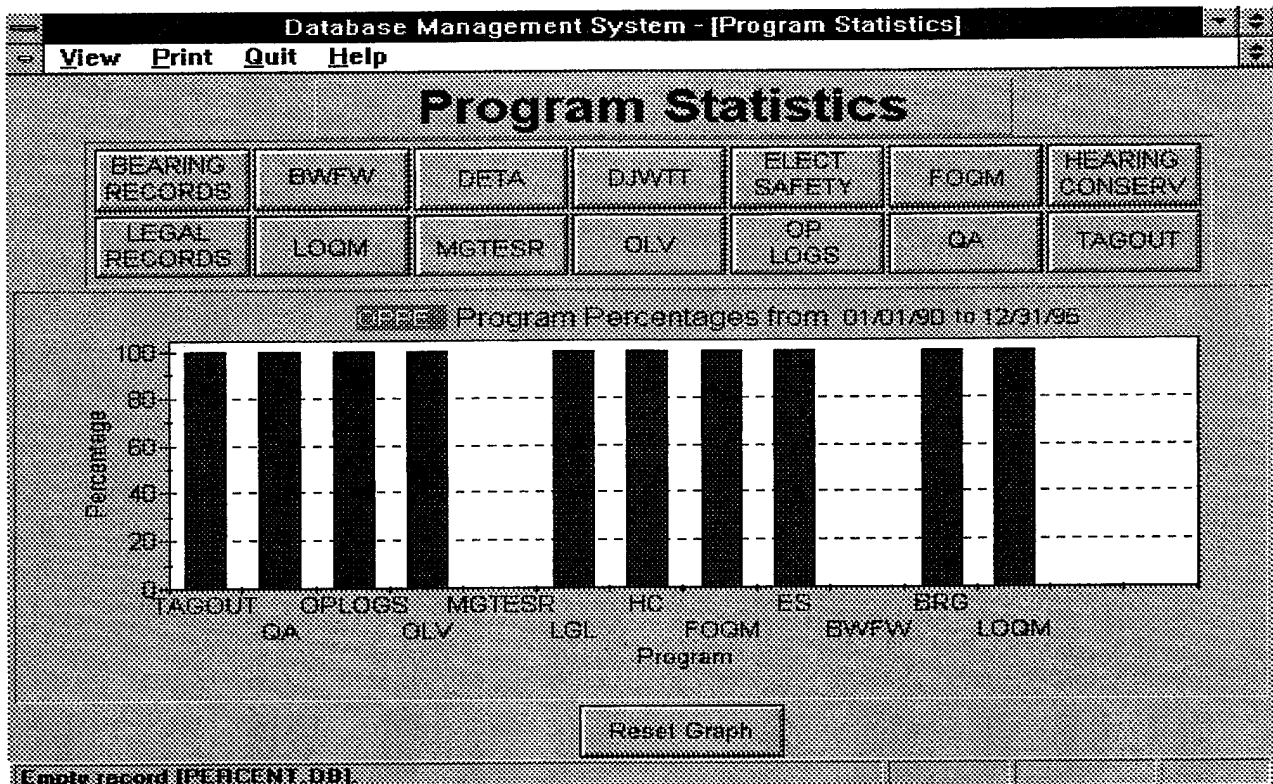


Figure [15] Program Statistics Query

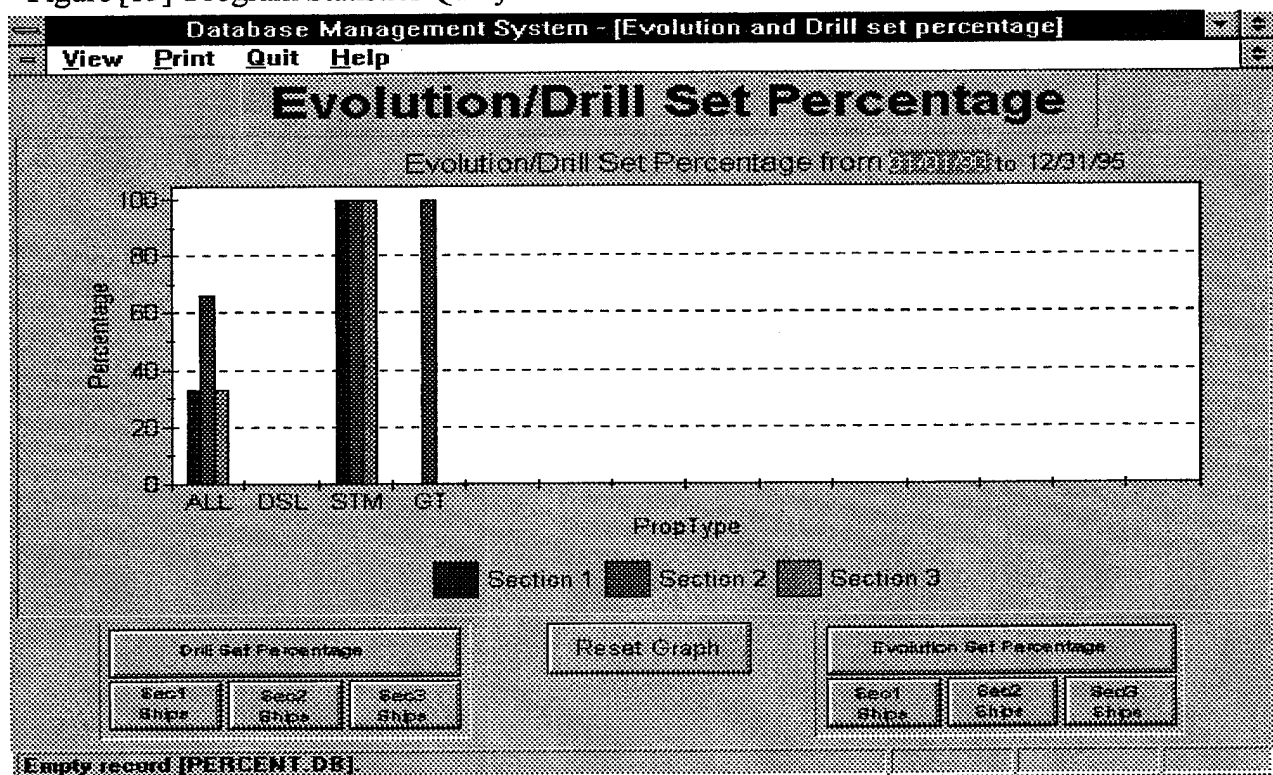


Figure [16] Evolution/Drill Set Percentage Query



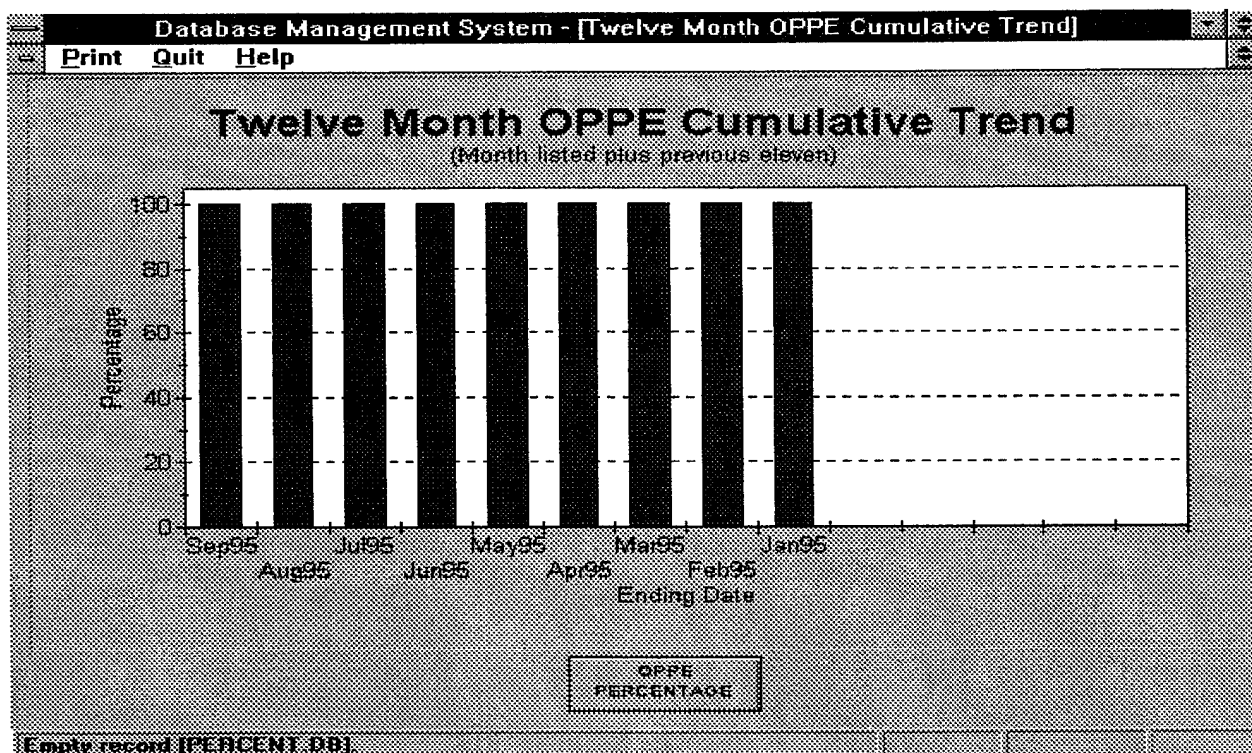


Figure [17] Twelve Month OPPE Cumulative Trend Query

**Database Management System - [Monthly summary]**

Quit Help

### OPPE/LOE Monthly Summary Of Activity

SUMMARY QUERY

VIEW REPORT

PRINT REPORT

Press F8 to end edit mode.

Edit

Figure [18] OPPE/LOE Monthly Summary of Activity Query

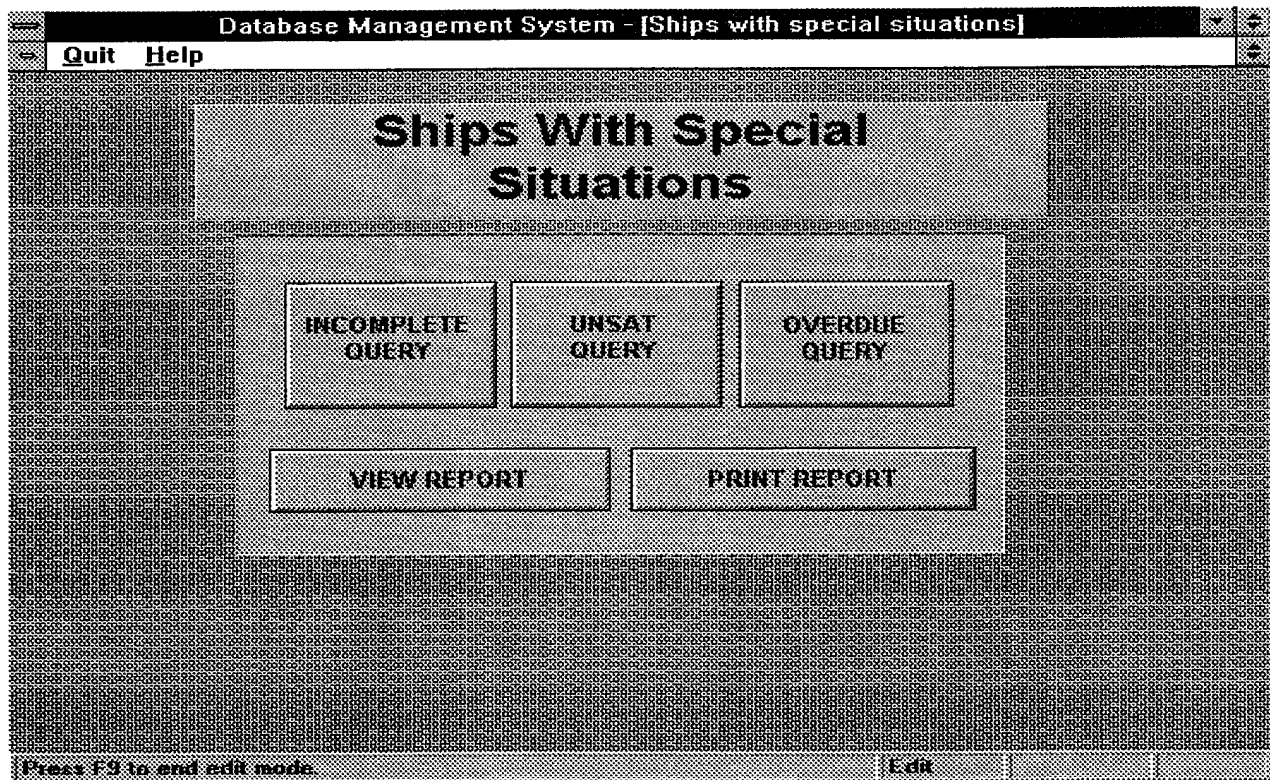


Figure [19] Ships With Special Situations Query



## APPENDIX G. OBJECTPAL SOURCE CODE

Object : MENU

MethodName : open

```
Source :    method open(var eventInfo Event)
            if eventInfo.isPreFilter()
                then
                    ; This code executes for each object on the form.

                else
                    ; This code executes only for the form.
            hide()
            hideSpeedBar()
            endif
            endmethod
```

Object : MENU

MethodName : arrive

```
Source :    method arrive(var eventInfo MoveEvent)
            var
            examMenu Menu
            AddPop PopUpMenu
            InquiryPop PopUpMenu
            endVar
            if eventInfo.isPreFilter()
                then
                    ; This code executes for each object on the form.

                else
                    ; This code executes only for the form.
```

```
AddPop.addText("&Ship")
AddPop.addText("&Exam")
AddPop.addText("&Fire Fighting")
AddPop.addText("&Level Of Knowledge")
AddPop.addText("&Material")
AddPop.addText("&Operations")
AddPop.addText("&Program Management")
AddPop.addText("&Training")
```

```
InquiryPop.addText("&Boiler Flexes")
InquiryPop.addText("&ECCTT")
InquiryPop.addText("&Fire Drills")
InquiryPop.addText("&High Power Demos")
```

```

InquiryPop.addText("&OPPE/LOE Area Summary")
InquiryPop.addText("&Program Statistics")
InquiryPop.addText("&Monthly OPPE/LOE Summary")
InquiryPop.addText("&Evolutions and Drills")
InquiryPop.addText("&Ships With Special Situations")
InquiryPop.addText("&Twelve Month OPPE Cumulative Trend")

```

```

examMenu.addPopUp("&Add", AddPop)
examMenu.addPopUp("&Inquiry", InquiryPop)
examMenu.addText("&Quit")
examMenu.addText("&Back Up")
maximize()
examMenu.show()
endif
endmethod

```

Object : MENU

MethodName : depart

```

Source : method depart(var eventInfo MoveEvent)
var
form1 form
endVar
if eventInfo.isPreFilter()
then
; This code executes for each object on the form.

else
; This code executes only for the form.
;exit()
endif
endmethod

```

Object : MENU

MethodName : menuAction

```

Source : method menuAction(var eventInfo MenuEvent)
var
form1 form
form2 form
form3 form
form4 form
form5 form
form6 form
form7 form

```

```

reply string
endVar
if eventInfo.isPreFilter()
    then
        ; This code executes for each object on the form.

    else
        ; This code executes only for the form.
Switch
    case eventInfo.menuChoice() = "&Exam":
        form1.open("Exam")
    case eventInfo.menuChoice() = "&Ship":
        form1.open("Ship")
    case eventInfo.menuChoice() = "&Fire Fighting":
        form2.open("FireFigh")
    case eventInfo.menuChoice() = "&Level Of Knowledge":
        form3.open("LOK")
    case eventInfo.menuChoice() = "&Material":
        form4.open("Material")
    case eventInfo.menuChoice() = "&Operations":
        form5.open("Operaton")
    case eventInfo.menuChoice() = "&Program Management":
        form6.open("ProgMan")
    case eventInfo.menuChoice() = "&Training":
        form7.open("Train")
    case eventInfo.menuChoice() = "&Boiler Flexes":
        form1.open("BoilFlex")
    case eventInfo.menuChoice() = "&Fire Drills":
        form2.open("FireDril")
    case eventInfo.menuChoice() = "&High Power Demos":
        form3.open("HighPwr")
    case eventInfo.menuChoice() = "&OPPE/LOE Area Summary":
        form4.open("OPPESum")
    case eventInfo.menuChoice() = "&Program Statistics":
        form5.open("ProgStat")
    case eventInfo.menuChoice() = "&Monthly OPPE/LOE Summary":
        form6.open("Summary")
    case eventInfo.menuChoice() = "&Evolutions and Drills":
        form7.open("TaskDril")
    case eventInfo.menuChoice() = "&ECCTT":
        form6.open("ECCTTAVG")
    case eventInfo.menuChoice() = "&Ships With Special Situations":
        form1.open("Unsat")
    case eventInfo.menuChoice() = "&Twelve Month OPPE Cumulative Trend":
        form3.open("CumTrend")
    case eventInfo.menuChoice() = "&Quit":
        reply=msgQuestion("Quit", "Are you sure you want to leave the CINCPACFLT PEB Database?")
        If reply = "Yes" then

```

```

        close()
    else
        return
    endif
    case eventInfo.menuChoice() = "&Back Up":
        execute("mwbackup")
    endSwitch
endif
endmethod

```

Object : #Page2

MethodName : setFocus

```

Source : method setFocus(var eventInfo Event)
var
    examMenu Menu
    AddPop PopUpMenu
    InquiryPop PopUpMenu
endVar
AddPop.addText("&Ship")
AddPop.addText("&Exam")
AddPop.addText("&Fire Fighting")
AddPop.addText("&Level Of Knowledge")
AddPop.addText("&Material")
AddPop.addText("&Operations")
AddPop.addText("&Program Management")
AddPop.addText("&Training")

InquiryPop.addText("&Boiler Flexes")
InquiryPop.addText("&ECCTT")
InquiryPop.addText("&Fire Drills")
InquiryPop.addText("&High Power Demos")
InquiryPop.addText("&OPPE/LOE Area Summary")
InquiryPop.addText("&Program Statistics")
InquiryPop.addText("&Monthly OPPE/LOE Summary")
InquiryPop.addText("&Evolutions and Drills")
InquiryPop.addText("&Ships With Special Situations")
InquiryPop.addText("&Twelve Month OPPE Cumulative Trend")

examMenu.addPopUp("&Add", AddPop)
examMenu.addPopUp("&Inquiry", InquiryPop)
examMenu.addText("&Quit")
examMenu.addText("&Back Up")
maximize()
examMenu.show()
endmethod

```

Object : SHIP\_INPUT\_FORM

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  examMenu Menu
  ReportPop PopUpMenu
  AddPop PopUpMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    AddPop.addText("&Locate")
    AddPop.addText("&Delete")
    examMenu.addPopUp("&Record", AddPop)
    examMenu.addText("&Quit")
    examMenu.addText("&Help")
    examMenu.show()
    maximize()
    hideSpeedBar()
    edit()
    action(DataInsertRecord)
  endif
endmethod
```

Object : SHIP\_INPUT\_FORM

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    Switch
      case eventInfo.menuChoice() = "&Locate":
        action(DataSearch)
      case eventInfo.menuChoice() = "&Delete":
        if "Yes" = msgQuestion("Delete Record", "Are you sure you want to delete "+ShipName+"?") then
          deleteRecord()
        endif
      case eventInfo.menuChoice() = "&Help":
```

```

        case eventInfo.menuChoice() = "&Quit":
            reply=msgQuestion("Quit","Are you sure you want to leave this form?")
            If reply = "Yes" then
                close()
            else
                return
            endif
        endSwitch
    endif
endmethod

```

Object : #Page2.#Box27.INSERT\_NEW\_SHIP\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
 action(dataInsertRecord)  
 endmethod

Object : #Page2.#Box27.PropType

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)  
 var  
     tempValue anyType  
     choice1 String  
     choice2 String  
     choice3 String  
     choice4 String  
     choice5 String  
 endVar  
 choice1="GT"  
 choice2="DSL"  
 choice3="STM"  
 tempValue=self.value  
 doDefault  
 if eventInfo.errorCode()=0 then  
 switch  
 case eventInfo.newValue()=choice1:  
 case eventInfo.newValue()=choice2:  
 case eventInfo.newValue()=choice3:  
 otherwise:  
 self.value=tempValue  
 msgStop("Problem","Value must be either GT, DSL, or STM")  
 eventInfo.setErrorCode(-1)  
 endSwitch  
 endif  
 endmethod

Object : EXAM\_INPUT\_FORM

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  examMenu Menu
  ReportPop PopUpMenu
  AddPop PopUpMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

  AddPop.addText("&Locate")
  AddPop.addText("&Delete")
  examMenu.addPopUp("&Record", AddPop)
  examMenu.addText("&Quit")
  examMenu.addText("&Help")
  examMenu.show()
  maximize()
  hideSpeedBar()
  edit()
  action(dataInsertRecord)
endif
endmethod
```

Object : EXAM\_INPUT\_FORM

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

  Switch
    case eventInfo.menuChoice() = "&Locate":
      action(DataSearch)
    case eventInfo.menuChoice() = "&Delete":
      if "Yes" = msgQuestion("Delete Record", "Are you sure you want to delete
"+ExamID_Ship_ShipName_FK2+"?") then
        deleteRecord()
      endif
    case eventInfo.menuChoice() = "&Help":
```

```

case eventInfo.menuChoice() = "&Quit":
    reply=msgQuestion("Quit","Are you sure you want to leave this form?")
    If reply = "Yes" then
        close()
    else
        return
    endif
endSwitch
endif
endmethod

```

Object : #Page2.#Box40.Cleared

MethodName : arrive

```

Source : method arrive(var eventInfo MoveEvent)
if self.isBlank() then
    switch
        case overallFinding="UNS":
            self.value="N"
        case overallFinding="DEC":
            self.value="N"
        case overallFinding="INC":
            self.value="N"
        otherwise:
            self.value="Y"
    endSwitch
endif
endmethod

```

Object : #Page2.#Box40.AdjectiveGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String
endVar
choice1="EXC"
choice2="GOOD"
choice3="SAT"
choice4="SAT(C)"
choice5="UNS"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
    switch
        case eventInfo.newValue()=choice1:

```



```

case eventInfo.newValue()=choice2:
case eventInfo.newValue()=choice3:
case eventInfo.newValue()=choice4:
case eventInfo.newValue()=choice5:
otherwise:
    self.value=tempValue
    msgStop("Problem","Value must be either EXC, GOOD, SAT , SAT(C), UNS")
    eventInfo.setErrorCode(-1)
endSwitch
endif
endmethod

```

Object : #Page2.#Box40.OverallFinding

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String
    TC TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="DEC"
choice4="INC"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
    switch
        case eventInfo.newValue()=choice1:
        case eventInfo.newValue()=choice2:
        case eventInfo.newValue()=choice3:
        case eventInfo.newValue()=choice4:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either UNS, SAT, DEC or INC")
            eventInfo.setErrorCode(-1)
        endSwitch
    endSwitch
endif
endmethod

```

Object : #Page2.#Box40.ExamType

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String

```

```

choice2 String
choice3 String
choice4 String
choice5 String
endVar

choice1="OPPE"
choice2="REOPPE"
choice3="LOE"
choice4="RELOE"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
switch
case eventInfo.newValue()=choice1:
case eventInfo.newValue()=choice2:
case eventInfo.newValue()=choice3:
case eventInfo.newValue()=choice4:
otherwise:
self.value=tempValue
msgStop("Problem","Value must be either OPPE, REOPPE, LOE, or RELOE")
eventInfo.setErrorCode(-1)
endSwitch
endif
endmethod

```

Object : #Page2.#Box40.ExamID\_ExamEndDate

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
tempValue AnyType
endVar

tempValue=Self.value
doDefault
if eventInfo.errorCode()=0 then
if eventInfo.newValue() > today() then
Self.value=tempValue
msgStop("Problem","ExamEndDate cannot be a future date!")
eventInfo.setErrorCode(-1)
endif
endif
endmethod

```

Object : #Page2.#Box39.INSERT\_NEW\_EXAM\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
action(dataInsertRecord)
endmethod

```

Object : #Page2.#Box39.HullNumber

MethodName : arrive

Source : method arrive(var eventInfo MoveEvent)  
          disableDefault  
          moveTo("ExamID\_ExamEndDate")  
          endmethod

Object : #Page2.#Box39.PropType

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)  
var  
  tempValue anyType  
  choice1 String  
  choice2 String  
  choice3 String  
  choice4 String  
  choice5 String  
endVar  
choice1="GT"  
choice2="DSL"  
choice3="STM"  
tempValue=self.value  
doDefault  
if eventInfo.errorCode()=0 then  
  switch  
    case eventInfo.newValue()=choice1:  
    case eventInfo.newValue()=choice2:  
    case eventInfo.newValue()=choice3:  
    otherwise:  
      self.value=tempValue  
      msgStop("Problem", "Value must be either GT, DSL, or STM")  
      eventInfo.setErrorCode(-1)  
    endSwitch  
  endif  
endmethod

Object : #Page2.#Box39.ExamID\_Ship\_ShipName\_FK2

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)  
doDefault  
if eventInfo.errorCode() = 0 then  
  ;input accepted by Paradox  
  else  
    msgStop("Problem", "The ship you entered is not valid. You must enter the ship first!")  
  endif  
endmethod

Object : FIREFIGHTING\_INPUT\_FORM

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  examMenu Menu
  ReportPop PopUpMenu
  AddPoP PopUpMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    AddPop.addText("&Locate")
    AddPop.addText("&Delete")
    examMenu.addPopUp("&Record", AddPop)
    examMenu.addText("&Quit")
    examMenu.addText("&Help")
    examMenu.show()
    maximize()
    hideSpeedBar()
    edit()
    action(DataInsertRecord)
  endif
endmethod
```

Object : FIREFIGHTING\_INPUT\_FORM

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    Switch
      case eventInfo.menuChoice() = "&Locate":
        action(DataSearch)
      case eventInfo.menuChoice() = "&Delete":
        if "Yes" = msgQuestion("Delete Record", "Are you sure you want to delete
"+FireFig_Ship_ShipName_FK5+"?") then
          deleteRecord()
        endif
      case eventInfo.menuChoice() = "&Help":
```

```

        case eventInfo.menuChoice() = "&Quit":
            reply=msgQuestion("Quit","Are you sure you want to leave this form?")
            if reply = "Yes" then
                close()
            else
                return
            endif
        endSwitch
    endif
endmethod

```

Object : #Page2.#Box83.FireFightingGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
    switch
        case eventInfo.newValue()=choice1:
        case eventInfo.newValue()=choice2:
        case eventInfo.newValue()=choice3:
        case eventInfo.newValue()=choice4:
        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endif
endmethod

```

Object : #Page2.#Box81.FireDrill3\_Grade

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)

```

var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod

```

Object : #Page2.#Box81.FireDrill2\_Grade

MethodName : changeValue

Source :

```

method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault

```

```

if eventInfo.errorCode()=0 then
  switch
  case eventInfo.newValue()=choice1:
  case eventInfo.newValue()=choice2:
  case eventInfo.newValue()=choice3:
  case eventInfo.newValue()=choice4:
  case eventInfo.newValue()=choice5:
  otherwise:
    self.value=tempValue
    msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
    eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod

```

Object : #Page2.#Box81.FireDrill1\_Grade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
  case eventInfo.newValue()=choice1:
  case eventInfo.newValue()=choice2:
  case eventInfo.newValue()=choice3:
  case eventInfo.newValue()=choice4:
  case eventInfo.newValue()=choice5:
  otherwise:
    self.value=tempValue
    msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
    eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod

```

Object : #Page2.#Box82.DCTT\_Grade

MethodName : changeValue

```
Source :      method changeValue(var eventInfo ValueEvent)
               var
                 tempValue anyType
                 choice1 String
                 choice2 String
                 choice3 String
                 choice4 String
                 choice5 String
               endVar

               choice1="SAT"
               choice2="UNS"
               choice3="NA"
               choice4="GOOD"
               choice5="EXC"

               tempValue=self.value
               doDefault
               if eventInfo.errorCode()=0 then
                 switch
                   case eventInfo.newValue()=choice1:
                   case eventInfo.newValue()=choice2:
                   case eventInfo.newValue()=choice3:
                   case eventInfo.newValue()=choice4:
                   case eventInfo.newValue()=choice5:
                   otherwise:
                     self.value=tempValue
                     msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
                     eventInfo.setErrorCode(-1)
                 endSwitch
               endif
               endmethod
```

Object : #Page2.#Box79.SpaceDC\_EquipGrade

MethodName : changeValue

```
Source :      method changeValue(var eventInfo ValueEvent)
               var
                 tempValue anyType
                 choice1 String
                 choice2 String
                 choice3 String
                 choice4 String
                 choice5 String
               endVar

               choice1="SAT"
               choice2="UNS"
               choice3="NA"
               choice4="GOOD"
               choice5="EXC"
```



```

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod

```

Object : #Page2.#Box79.AFFF\_Grade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod

```

Object : #Page2.#Box79.HalonGrade

MethodName : changeValue

```
Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod
```

Object : #Page2.#Box79.MSFD\_Grade

MethodName : changeValue

```
Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
```

```
choice4="GOOD"
choice5="EXC"
```

```
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod
```

Object : #Page2.#Box79.RepV\_InventoryGrade

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)

```
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar
```

```
choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"
```

```
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
  endSwitch
```

```
endif  
endmethod
```

Object : #Page2.#Box79.FireFightingI\_ExamEndDate

MethodName : changeValue

```
Source : method changeValue(var eventInfo ValueEvent)  
var  
tempValue AnyType  
endVar  
  
tempValue=Self.value  
doDefault  
if eventInfo.errorCode()=0 then  
if eventInfo.newValue() > today() then  
Self.value=tempValue  
msgStop("Problem","ExamEndDate cannot be a future date!")  
eventInfo.setErrorCode(-1)  
endif  
endif  
endmethod
```

Object : #Page2.#Box78.INSERT\_NEW\_FF\_BUTTON

MethodName : pushButton

```
Source : method pushButton(var eventInfo Event)  
action(dataInsertRecord)  
endmethod
```

Object : #Page2.#Box78.HullNumber

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)  
disableDefault  
moveTo("FireFightingI_ExamEndDate")  
endmethod
```

Object : #Page2.#Box78.FireFig\_Ship\_ShipName\_FK5

MethodName : changeValue

```
Source : method changeValue(var eventInfo ValueEvent)  
doDefault  
if eventInfo.errorCode() = 0 then  
;input accepted by Paradox  
else  
msgStop("Problem", "The ship you entered is not valid. You must enter the ship first!")  
endif  
endmethod
```

Object : LOK\_INPUT\_FORM

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  examMenu Menu
  ReportPop PopUpMenu
  AddPop PopUpMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    AddPop.addText("&Locate")
    AddPop.addText("&Delete")
    examMenu.addPopUp("&Record", AddPop)
    examMenu.addText("&Quit")
    examMenu.addText("&Help")
    examMenu.show()
    maximize()
    hideSpeedBar()
    edit()
    action(DataInsertRecord)
  endif
endmethod
```

Object : LOK\_INPUT\_FORM

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    Switch
      case eventInfo.menuChoice() = "&Locate":
        action(DataSearch)
      case eventInfo.menuChoice() = "&Delete":
        if "Yes" = msgQuestion("Delete Record", "Are you sure you want to delete
"+LOK_ID_Ship_ShipName_FK1+"?") then
          deleteRecord()
        endif
      case eventInfo.menuChoice() = "&Help":
```

```

        case eventInfo.menuChoice() = "&Quit":
            reply=msgQuestion("Quit","Are you sure you want to leave this form?")
            If reply = "Yes" then
                close()
            else
                return
            endif
        endSwitch
    endif
endmethod

```

Object : #Page2.#Box13.LOK\_ID\_ExamEndDate

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
        var
            tempValue AnyType
        endVar

        tempValue=Self.value
        doDefault
        if eventInfo.errorCode()=0 then
            if eventInfo.newValue() > today() then
                Self.value=tempValue
                msgStop("Problem","ExamEndDate cannot be a future date!")
                eventInfo.setErrorCode(-1)
            endif
        endif
    endmethod

```

Object : #Page2.#Box12.LOK\_ID\_Ship\_ShipName\_FK1

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
        doDefault
        if eventInfo.errorCode() = 0 then
            ;input accepted by Paradox
        else
            msgStop("Problem", "The ship you entered is not valid. You must enter the ship first!")
        endif
    endmethod

```

Object : #Page2.#Box12.INSERT\_NEW\_LOK\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
        action(dataInsertRecord)
    endmethod

```

MethodName : arrive

Source :      method arrive(var eventInfo MoveEvent)  
              disableDefault  
              moveTo("LOK\_ID\_ExamEndDate")  
              endmethod

Object : MATERIAL\_INPUT\_FORM

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  examMenu Menu
  ReportPop PopUpMenu
  AddPop PopUpMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    AddPop.addText("&Locate")
    AddPop.addText("&Delete")
    examMenu.addPopUp("&Record", AddPop)
    examMenu.addText("&Quit")
    examMenu.addText("&Help")
    examMenu.show()
    maximize()
    hideSpeedBar()
    edit()
    action(DataInsertRecord)
  endif
endmethod
```

Object : MATERIAL\_INPUT\_FORM

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    Switch
      case eventInfo.menuChoice() = "&Locate":
        action(DataSearch)
      case eventInfo.menuChoice() = "&Delete":
        if "Yes" = msgQuestion("Delete Record", "Are you sure you want to delete
"+MatID_Ship_ShipName_FK4+"?") then
          deleteRecord()
        endif
      case eventInfo.menuChoice() = "&Help":
```



```

        case eventInfo.menuChoice() = "&Quit":
            reply=msgQuestion("Quit","Are you sure you want to leave this form?")
            if reply = "Yes" then
                close()
            else
                return
            endif
        endSwitch
    endif
endmethod

```

Object : #Page2.#Box109.MaterialGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
    switch
        case eventInfo.newValue()=choice1:
        case eventInfo.newValue()=choice2:
        case eventInfo.newValue()=choice3:
        case eventInfo.newValue()=choice4:
        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endif
endmethod

```

Object : #Page2.#Box108.MatID\_ExamEndDate

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)

```

var
  tempValue AnyType
endVar

tempValue=Self.value
doDefault
if eventInfo.errorCode()=0 then
  if eventInfo.newValue() > today() then
    Self.value=tempValue
    msgStop("Problem","ExamEndDate cannot be a future date!")
    eventInfo.setErrorCode(-1)
  endif
endif
endmethod

```

Object : #Page2.#Box108.StandEquipSatisfied\_

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="Y"
choice2="N"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either Y or N")
      eventInfo.setErrorCode(-1)
    endSwitch
  endif
endmethod

```

Object : #Page2.#Box107.TtlNrOfBoilersFlexed

MethodName : arrive

```

Source : method arrive(var eventInfo MoveEvent)
  TtlNrOfBoilersFlexed.value=TtlNrOfLevel1Flex+TtlNrOfLevel2Flex+TtlNrOfLevel3Flex+
    TtlNrOfLevel4Flex+TtlNrOfLevel5Flex
endmethod

```

Object : #Page2.#Box106.MatSelfAssessGrade

MethodName : changeValue

```
Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
    endSwitch
  endIf
endmethod
```

Object : #Page2.#Box106.IOP\_Comments

MethodName : action

```
Source : method action(var eventInfo ActionEvent)
Switch
  case propType.value="GT":
    if eventInfo.id()=fieldForward then
      disableDefault
      materialGrade.moveTo()
    endIf
  case propType.value="DSL":
    if eventInfo.id()=fieldForward then
      disableDefault
      materialGrade.moveTo()
    endIf
endSwitch
```

endmethod

Object : #Page2.#Box106.PreservationGrade

MethodName : changeValue

```
Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod
```

Object : #Page2.#Box106.HighPwrDemoGrade

MethodName : changeValue

```
Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
```

```

choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod

```

Object : #Page2.#Box106.CleanlinessGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")

```

```

        eventInfo.setErrorCode(-1)
    endSwitch
endIf
endmethod

```

Object : #Page2.#Box106.StowageGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
    switch
        case eventInfo.newValue()=choice1:
        case eventInfo.newValue()=choice2:
        case eventInfo.newValue()=choice3:
        case eventInfo.newValue()=choice4:
        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
            eventInfo.setErrorCode(-1)
    endSwitch
endIf
endmethod

```

Object : #Page2.#Box106.GageCalGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String

```

```

endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem", "Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod

```

Object : #Page2.#Box106.CSMP\_Grade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:

```

```

otherwise:
  self.value=tempValue
  msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
  eventInfo.setErrorCode(-1)
endSwitch
endif
endmethod

```

Object : #Page2.#Box106.ValveMaintGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
  case eventInfo.newValue()=choice1:
  case eventInfo.newValue()=choice2:
  case eventInfo.newValue()=choice3:
  case eventInfo.newValue()=choice4:
  case eventInfo.newValue()=choice5:
  otherwise:
    self.value=tempValue
    msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
    eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod

```

Object : #Page2.#Box105.INSERT\_NEW\_MAT\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
  action(dataInsertRecord)
endmethod

```



Object : #Page2.#Box105.MatID\_Ship\_ShipName\_FK4

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)  
doDefault  
if eventInfo.errorCode() = 0 then  
;input accepted by Paradox  
else  
msgStop("Problem", "The ship you entered is not valid. You must enter the ship first!")  
endif  
endmethod

Object : #Page2.#Box105.HullNumber

MethodName : arrive

Source : method arrive(var eventInfo MoveEvent)  
disableDefault  
moveTo("MatID\_ExamEndDate")  
endmethod

Object : OPERATIONS\_INPUT\_FORM

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  examMenu Menu
  ReportPop PopUpMenu
  AddPoP PopUpMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    AddPop.addText("&Locate")
    AddPop.addText("&Delete")
    examMenu.addPopUp("&Record", AddPop)
    examMenu.addText("&Quit")
    examMenu.addText("&Help")
    examMenu.show()
    maximize()
    hideSpeedBar()
    edit()
    action(DataInsertRecord)
  endif
endmethod
```

Object : OPERATIONS\_INPUT\_FORM

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    Switch
      case eventInfo.menuChoice() = "&Locate":
        action(DataSearch)
      case eventInfo.menuChoice() = "&Delete":
        if "Yes" = msgQuestion("Delete Record", "Are you sure you want to delete
"+Operati_Ship_ShipName_FK3+"?") then
          deleteRecord()
        endif
      case eventInfo.menuChoice() = "&Help":
```

```

        case eventInfo.menuChoice() = "&Quit":
            reply=msgQuestion("Quit","Are you sure you want to leave this form?")
            If reply = "Yes" then
                close()
            else
                return
            endif
        endSwitch
    endif
endmethod

```

Object : #Page2.#Box62.OperationGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
    switch
        case eventInfo.newValue()=choice1:
        case eventInfo.newValue()=choice2:
        case eventInfo.newValue()=choice3:
        case eventInfo.newValue()=choice4:
        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endif
endmethod

```

Object : #Page2.#Box62.EccttGrade

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)

```

var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod

```

Object : #Page2.#Box61.OperationID\_ExamEndDate

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue AnyType
endVar

tempValue=Self.value
doDefault
if eventInfo.errorCode()=0 then
  if eventInfo.newValue() > today() then
    Self.value=tempValue
    msgStop("Problem","ExamEndDate cannot be a future date!")
    eventInfo.setErrorCode(-1)
  endif
endif
endmethod

```

Object : #Page2.#Box60.INSERT\_NEW\_EXAM\_BUTTON

MethodName : pushButton

Source :       method pushButton(var eventInfo Event)  
                  action(dataInsertRecord)  
                  endmethod

Object :        #Page2.#Box60.Operati\_Ship\_ShipName\_FK3

MethodName : changeValue

Source :       method changeValue(var eventInfo ValueEvent)  
                  doDefault  
                  if eventInfo.errorCode() = 0 then  
                    ;input accepted by Paradox  
                  else  
                    msgStop("Problem", "The ship you entered is not valid. You must enter the ship first!")  
                  endif  
                  endmethod

Object :        #Page2.#Box60.HullNumber

MethodName : arrive

Source :       method arrive(var eventInfo MoveEvent)  
                  disableDefault  
                  moveTo("OperationID\_ExamEndDate")  
                  endmethod

Object : PM\_INPUT\_FORM

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
examMenu Menu
ReportPop PopUpMenu
AddPoP PopUpMenu
endVar
if eventInfo.isPreFilter()
then
; This code executes for each object on the form.

else
; This code executes only for the form.

AddPop.addText("&Locate")
AddPop.addText("&Delete")
examMenu.addPopUp("&Record", AddPop)
examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
edit()
action(dataInsertRecord)
endif
endmethod
```

Object : PM\_INPUT\_FORM

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
myRep Report
reply String
endVar
if eventInfo.isPreFilter()
then
; This code executes for each object on the form.

else
; This code executes only for the form.

Switch
case eventInfo.menuChoice() = "&Locate":
action(DataSearch)
case eventInfo.menuChoice() = "&Delete":
if "Yes" = msgQuestion("Delete Record", "Are you sure you want to delete
"+PM_ID_Ship_ShipName_FK6+"?") then
deleteRecord()
endif
case eventInfo.menuChoice() = "&Quit":
reply = msgQuestion("Quit", "Are you sure you want to leave this form?")
```

```

        If reply = "Yes" then
            close()
        else
            return
        endif
    endSwitch
endif
endmethod

```

Object : #Page2.#Box77.ProgramManageGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String
    TC TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
    switch
        case eventInfo.newValue()=choice1:
        case eventInfo.newValue()=choice2:
        case eventInfo.newValue()=choice3:
        case eventInfo.newValue()=choice4:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either EXC, GOOD, SAT, or UNS")
            eventInfo.setErrorCode(-1)
    endSwitch
endif
endmethod

```

Object : #Page2.#Box76.HeatStress

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String

```

```

choice5 String
TC    TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
switch
case eventInfo.newValue()=choice1:
case eventInfo.newValue()=choice2:
case eventInfo.newValue()=choice3:
case eventInfo.newValue()=choice4:
case eventInfo.newValue()=choice5:
otherwise:
self.value=tempValue
msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, or NA")
eventInfo.setErrorCode(-1)
endSwitch
endif
endmethod

```

Object : #Page2.#Box76.HearingConsGrade

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)

```

var
tempValue anyType
choice1 String
choice2 String
choice3 String
choice4 String
choice5 String
TC    TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
switch
case eventInfo.newValue()=choice1:
case eventInfo.newValue()=choice2:
case eventInfo.newValue()=choice3:
case eventInfo.newValue()=choice4:
case eventInfo.newValue()=choice5:
otherwise:

```



```

        self.value=tempValue
        msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, or NA")
        eventInfo.setErrorCode(-1)
    endSwitch
endIf
endmethod

```

Object : #Page2.#Box76.PM\_ID\_ExamEndDate

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
        var
            tempValue AnyType
        endVar

        tempValue=Self.value
        doDefault
        if eventInfo.errorCode()=0 then
            if eventInfo.newValue() > today() then
                Self.value=tempValue
                msgStop("Problem","ExamEndDate cannot be a future date!")
                eventInfo.setErrorCode(-1)
            endif
        endif
    endmethod

```

Object : #Page2.#Box76.OpLogsGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
        var
            tempValue anyType
            choice1 String
            choice2 String
            choice3 String
            choice4 String
            choice5 String
            TC TCursor
        endVar
        choice1="SAT"
        choice2="UNS"
        choice3="EXC"
        choice4="GOOD"
        choice5="NA"
        tempValue=self.value
        doDefault
        if eventInfo.errorCode()=0 then
            switch
                case eventInfo.newValue()=choice1:
                case eventInfo.newValue()=choice2:
                case eventInfo.newValue()=choice3:
                case eventInfo.newValue()=choice4:

```

```

        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, or NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endIf
endmethod

```

Object : #Page2.#Box76.QA\_Grade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String
    TC TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
    switch
        case eventInfo.newValue()=choice1:
        case eventInfo.newValue()=choice2:
        case eventInfo.newValue()=choice3:
        case eventInfo.newValue()=choice4:
        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, or NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endIf
endmethod

```

Object : #Page2.#Box76.OLV\_Grade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String

```

```

choice3 String
choice4 String
choice5 String
TC    TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
switch
case eventInfo.newValue()=choice1:
case eventInfo.newValue()=choice2:
case eventInfo.newValue()=choice3:
case eventInfo.newValue()=choice4:
case eventInfo.newValue()=choice5:
otherwise:
self.value=tempValue
msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, or NA")
eventInfo.setErrorCode(-1)
endSwitch
endif
endmethod

```

Object : #Page2.#Box76.ElectSafetyGrade

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)

```

var
tempValue anyType
choice1 String
choice2 String
choice3 String
choice4 String
choice5 String
TC    TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
switch
case eventInfo.newValue()=choice1:
case eventInfo.newValue()=choice2:
case eventInfo.newValue()=choice3:
case eventInfo.newValue()=choice4:

```

```

        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, or NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endIf
endmethod

```

Object : #Page2.#Box76.TagoutGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String
    TC TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
    switch
        case eventInfo.newValue()=choice1:
        case eventInfo.newValue()=choice2:
        case eventInfo.newValue()=choice3:
        case eventInfo.newValue()=choice4:
        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, or NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endIf
endmethod

```

Object : #Page2.#Box76.MGTESR\_Grade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String

```

```

choice3 String
choice4 String
choice5 String
TC      TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
switch
case eventInfo.newValue()=choice1:
case eventInfo.newValue()=choice2:
case eventInfo.newValue()=choice3:
case eventInfo.newValue()=choice4:
case eventInfo.newValue()=choice5:
otherwise:
self.value=tempValue
msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, or NA")
eventInfo.setErrorCode(-1)
endSwitch
endif
endmethod

```

Object : #Page2.#Box76.BearingRecsGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
tempValue anyType
choice1 String
choice2 String
choice3 String
choice4 String
choice5 String
TC      TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
switch
case eventInfo.newValue()=choice1:
case eventInfo.newValue()=choice2:
case eventInfo.newValue()=choice3:
case eventInfo.newValue()=choice4:

```

```

        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, or NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endIf
endmethod

```

Object : #Page2.#Box76.LegalRecsGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String
    TC TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
    switch
        case eventInfo.newValue()=choice1:
        case eventInfo.newValue()=choice2:
        case eventInfo.newValue()=choice3:
        case eventInfo.newValue()=choice4:
        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS or NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endIf
endmethod

```

Object : #Page2.#Box76.DETA\_Grade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String

```

```

choice3 String
choice4 String
choice5 String
TC    TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
switch
case eventInfo.newValue()=choice1:
case eventInfo.newValue()=choice2:
case eventInfo.newValue()=choice3:
case eventInfo.newValue()=choice4:
case eventInfo.newValue()=choice5:
otherwise:
self.value=tempValue
msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, or NA")
eventInfo.setErrorCode(-1)
endSwitch
endif
endmethod

```

Object : #Page2.#Box76.DJWTT\_Grade

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)

```

var
tempValue anyType
choice1 String
choice2 String
choice3 String
choice4 String
choice5 String
TC    TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
switch
case eventInfo.newValue()=choice1:
case eventInfo.newValue()=choice2:
case eventInfo.newValue()=choice3:
case eventInfo.newValue()=choice4:

```

```

        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endIf
endmethod

```

Object : #Page2.#Box76.FOQM\_Grade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String
    TC TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
    switch
        case eventInfo.newValue()=choice1:
        case eventInfo.newValue()=choice2:
        case eventInfo.newValue()=choice3:
        case eventInfo.newValue()=choice4:
        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, or NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endIf
endmethod

```

Object : #Page2.#Box76.BWFW\_Grade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String

```



```

choice3 String
choice4 String
choice5 String
TC    TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
switch
case eventInfo.newValue()=choice1:
case eventInfo.newValue()=choice2:
case eventInfo.newValue()=choice3:
case eventInfo.newValue()=choice4:
case eventInfo.newValue()=choice5:
otherwise:
self.value=tempValue
msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS or NA")
eventInfo.setErrorCode(-1)
endSwitch
endif
endmethod

```

Object : #Page2.#Box76.LOQM\_Grade

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)

```

var
tempValue anyType
choice1 String
choice2 String
choice3 String
choice4 String
choice5 String
TC    TCursor
endVar
choice1="SAT"
choice2="UNS"
choice3="EXC"
choice4="GOOD"
choice5="NA"
tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
switch
case eventInfo.newValue()=choice1:
case eventInfo.newValue()=choice2:
case eventInfo.newValue()=choice3:
case eventInfo.newValue()=choice4:

```

```

        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either EXC, GOOD, SAT, UNS, or NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endif
endmethod

```

Object : #Page2.#Box75.INSERT\_NEW\_PM\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
 action(dataInsertRecord)  
 endmethod

Object : #Page2.#Box75.PM\_ID\_Ship\_ShipName\_FK6

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)  
 doDefault  
 if eventInfo.errorCode() = 0 then  
 ;input accepted by Paradox  
 else  
 msgStop("Problem", "The ship you entered is not valid. You must enter the ship first!")  
 endif  
 endmethod

Object : #Page2.#Box75.HullNumber

MethodName : arrive

Source : method arrive(var eventInfo MoveEvent)  
 disableDefault  
 moveTo("PM\_ID\_ExamEndDate")  
 endmethod

Object : TRAINING\_INPUT\_FORM

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  examMenu Menu
  ReportPop PopUpMenu
  AddPop PopUpMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    AddPop.addText("&Locate")
    AddPop.addText("&Delete")
    examMenu.addPopUp("&Record", AddPop)
    examMenu.addText("&Quit")
    examMenu.addText("&Help")
    examMenu.show()
    maximize()
    hideSpeedBar()
    edit()
    action(DataInsertRecord)
  endif
endmethod
```

Object : TRAINING\_INPUT\_FORM

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    Switch
      case eventInfo.menuChoice() = "&Locate":
        action(DataSearch)
      case eventInfo.menuChoice() = "&Delete":
        if "Yes" = msgQuestion("Delete Record", "Are you sure you want to delete
        "+Trainin_Ship_ShipName_FK7+"?") then
          deleteRecord()
        endif
      case eventInfo.menuChoice() = "&Help":
```

```

        case eventInfo.menuChoice() = "&Quit":
            reply=msgQuestion("Quit","Are you sure you want to leave this form?")
            If reply = "Yes" then
                close()
            else
                return
            endif
        endSwitch
    endif
endmethod

```

Object : #Page2.#Box86.TrainingProgramGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
    tempValue anyType
    choice1 String
    choice2 String
    choice3 String
    choice4 String
    choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
    switch
        case eventInfo.newValue()=choice1:
        case eventInfo.newValue()=choice2:
        case eventInfo.newValue()=choice3:
        case eventInfo.newValue()=choice4:
        case eventInfo.newValue()=choice5:
        otherwise:
            self.value=tempValue
            msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
            eventInfo.setErrorCode(-1)
        endSwitch
    endif
endmethod

```

Object : #Page2.#Box85.TrainingID\_ExamEndDate

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)

```

var
  tempValue AnyType
endVar

tempValue=Self.value
doDefault
if eventInfo.errorCode()=0 then
  if eventInfo.newValue() > today() then
    Self.value=tempValue
    msgStop("Problem","ExamEndDate cannot be a future date!")
    eventInfo.setErrorCode(-1)
  endif
endif
endmethod

```

Object : #Page2.#Box85.NrOfSatOilKing

MethodName : action

```

Source : method action(var eventInfo ActionEvent)
Switch
  case propType.value="DSL":
    if eventInfo.id()=fieldForward then
      disableDefault
      NrOfSatENOW.moveTo()
    endif
  case propType.value="GT":
    if eventInfo.id()=fieldForward then
      disableDefault
      NrOfSatPACC.moveTo()
    endif
endSwitch
endmethod

```

Object : #Page2.#Box85.TrainingGrade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

```

```

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod

```

Object : #Page2.#Box85.PQS\_Grade

MethodName : changeValue

```

Source : method changeValue(var eventInfo ValueEvent)
var
  tempValue anyType
  choice1 String
  choice2 String
  choice3 String
  choice4 String
  choice5 String
endVar

choice1="SAT"
choice2="UNS"
choice3="NA"
choice4="GOOD"
choice5="EXC"

tempValue=self.value
doDefault
if eventInfo.errorCode()=0 then
  switch
    case eventInfo.newValue()=choice1:
    case eventInfo.newValue()=choice2:
    case eventInfo.newValue()=choice3:
    case eventInfo.newValue()=choice4:
    case eventInfo.newValue()=choice5:
    otherwise:
      self.value=tempValue
      msgStop("Problem","Value must be either SAT, UNS, GOOD, EXC, or NA")
      eventInfo.setErrorCode(-1)
  endSwitch
endif
endmethod

```

Object : #Page2.#Box84.NrOfSatEDG\_SWBD\_Op

MethodName : action

Source : method action(var eventInfo ActionEvent)  
if eventInfo.id()=fieldForward then  
    disableDefault  
    KeyPersonnelLeaving.moveTo()  
endif  
endmethod

Object : #Page2.#Box82.NrOfSatMsgr\_EngOp

MethodName : action

Source : method action(var eventInfo ActionEvent)  
if eventInfo.id()=fieldForward then  
    disableDefault  
    KeyPersonnelLeaving.moveTo()  
endif  
endmethod

Object : #Page2.#Box81.INSERT\_NEW\_TRAIN\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
    action(dataInsertRecord)  
endmethod

Object : #Page2.#Box81.HullNumber

MethodName : arrive

Source : method arrive(var eventInfo MoveEvent)  
    disableDefault  
    moveto("TrainingID\_ExamEndDate")  
endmethod

Object : #Page2.#Box81.Trainin\_Ship\_ShipName\_FK7

MethodName : changeValue

Source : method changeValue(var eventInfo ValueEvent)  
    doDefault  
    if eventInfo.errorCode() = 0 then  
        ;input accepted by Paradox  
    else  
        msgStop("Problem", "The ship you entered is not valid. You must enter the ship first!")  
    endif  
endmethod

Object : BOILER\_FLEX\_QUERY

MethodName : Const

Source : Const  
ViewFlex1=301  
ViewFlex2=302  
ViewFlex3=303  
ViewFlex4=304  
ViewFlex5=305  
PrintFlex1=313  
PrintFlex2=314  
PrintFlex3=315  
PrintFlex4=316  
PrintFlex5=317  
PrintFlex6=318  
endConst

Object : BOILER\_FLEX\_QUERY

MethodName : arrive

Source : method arrive(var eventInfo MoveEvent)  
var  
tc Tcursor  
examMenu, View, Print, ReportMenu Menu  
PrintPop PopUpMenu  
ViewPop PopUpMenu  
ViewFlexPop PopUpMenu  
PrintFlexPop PopUpMenu  
examtype PopupMenu  
endVar  
if eventInfo.isPreFilter()  
then  
; This code executes for each object on the form.  
  
else  
; This code executes only for the form.  
  
PrintPop.addText("Flex &1", "", PrintFlex1)  
PrintPop.addText("Flex &2", "", PrintFlex2)  
PrintPop.addText("Flex &3", "", PrintFlex3)  
PrintPop.addText("Flex &4", "", PrintFlex4)  
PrintPop.addText("Flex &5", "", PrintFlex5)  
PrintPop.addText("&Graph", "", PrintFlex6)  
  
ViewPop.addText("Flex &1", "", ViewFlex1)  
ViewPop.addText("Flex &2", "", ViewFlex2)  
ViewPop.addText("Flex &3", "", ViewFlex3)  
ViewPop.addText("Flex &4", "", ViewFlex4)  
ViewPop.addText("Flex &5", "", ViewFlex5)  
  
examMenu.addPopUp("&View", ViewPop)  
examMenu.addPopUP("&Print", PrintPop)



```

examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
tc.open("percent")
tc.edit()
tc.empty()
tc.endEdit()
endif
endmethod

```

Object : BOILER\_FLEX\_QUERY

MethodName : menuAction

```

Source : method menuAction(var eventInfo MenuEvent)
var
myRep Report
reply String
choiceld SmallInt
m menu
endVar
choiceld=eventInfo.id()

if eventInfo.isPreFilter()
then
; This code executes for each object on the form.

else
; This code executes only for the form.

Switch
case eventInfo.menuChoice() ="&Help":
case eventInfo.menuChoice() ="&Quit":
reply=msgQuestion("Quit","Are you sure you want to leave this form?")
If reply = "Yes" then
close()
else
return
endif
endSwitch
Switch
case choiceld =ViewFlex1:
myRep.open("Flex1",WinStyleMaximize)
hideSpeedBar()
m.addText("")
m.show()
case choiceld =ViewFlex2:
myRep.open("Flex2",WinStyleMaximize)
hideSpeedBar()
m.addText("")
m.show()
case choiceld =ViewFlex3:
myRep.open("Flex3",WinStyleMaximize)

```

```

hideSpeedBar()
m.addText("")
m.show()
case choiceld =ViewFlex4:
myRep.open("Flex4",WinStyleMaximize)
hideSpeedBar()
m.addText("")
m.show()
case choiceld =ViewFlex5:
myRep.open("Flex5", WinStyleMaximize)
hideSpeedBar()
m.addText("")
m.show()
case choiceld =PrintFlex1:
myRep.print("Flex1")
case choiceld =PrintFlex2:
myRep.print("Flex2")
case choiceld =PrintFlex3:
myRep.print("Flex3")
case choiceld =PrintFlex4:
myRep.print("Flex4")
case choiceld =PrintFlex5:
myRep.print("Flex5")
case choiceld =PrintFlex6:
myRep.print("BoilFlex")
endSwitch
endif
endmethod

```

Object : #Page2

MethodName : setFocus

```

Source : method setFocus(var eventInfo Event)
var
examMenu, View, Print, ReportMenu Menu
PrintPop PopUpMenu
ViewPop PopUpMenu
ViewFlexPop PopUpMenu
PrintFlexPop PopUpMenu
examtype PopupMenu
endVar
if eventInfo.isPreFilter()
then
; This code executes for each object on the form.

else
; This code executes only for the form.

PrintPop.addText("Flex &1", "",PrintFlex1)
PrintPop.addText("Flex &2", "",PrintFlex2)
PrintPop.addText("Flex &3", "",PrintFlex3)
PrintPop.addText("Flex &4", "",PrintFlex4)
PrintPop.addText("Flex &5", "",PrintFlex5)

```

```
PrintPop.addText("&Graph","",PrintFlex6)
```

```
ViewPop.addText("Flex &1","",ViewFlex1)  
ViewPop.addText("Flex &2","",ViewFlex2)  
ViewPop.addText("Flex &3","",ViewFlex3)  
ViewPop.addText("Flex &4","",ViewFlex4)  
ViewPop.addText("Flex &5","",ViewFlex5)
```

```
examMenu.addPopUp("&View", ViewPop)  
examMenu.addPopUP("&Print", PrintPop)  
examMenu.addText("&Quit")  
examMenu.show()  
maximize()  
hideSpeedBar()  
endif  
endmethod
```

Object : #Page2.RESET\_GRAPH\_BUTTON

MethodName : pushButton

```
Source : method pushButton(var eventInfo Event)  
var  
tc Tcursor  
endVar  
tc.open("percent")  
tc.edit()  
tc.empty()  
tc.endEdit()  
endmethod
```

Object : #Page2.#Box23.LEVEL2\_BUTTON

MethodName : pushButton

```
Source : method pushButton(var eventInfo Event)  
var  
tc tCursor  
tbl table  
numberOfFlexes Number  
totalNumberOfFlexes Number  
flexPercentage Number  
myQuery Query  
examDate1 Date  
examDate2 Date  
endVar  
doDefault  
examDate1=date("01/01/00")  
examDate2=date("12/31/99")  
examDate1.view("Enter start date (I.E. 01/01/95)")  
examDate2.view("Enter stop date (I.E. 12/12/99)")  
  
myQuery=Query
```

ANSWER: :PRIV:ANSWER.DB

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate | ExamType |
|_EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE OR =REOPPE|
```

```
SHIP.DB | ShipName | PropType |
| Check _EG02, _EG01 | Check =STM|
```

```
MATERIAL.DB | MatID_Ship_ShipName_FK4 | TtlNrOfLevel2Flex |
|_EG02 | Check |
```

```
MATERIAL.DB | TtlNrOfBoilersFlexed | BoilerFlexComments |
| Check | Check |
```

EndQuery

```
doDefault
empty("flex2")
executeQBE(myQuery, "flex2.db")
tbl.attach("flex2")
numberOfFlexes=tbl.cSum("TtlNrOfLevel2Flex")
msgInfo("Level Two Boiler Flex","The total number of Level Two Flexes are "
+strVal(NumberOfFlexes))
TotalNumberOfFlexes=tbl.cSum("TtlNrOfBoilersFlexed")
if totalNumberOfFlexes <> 0 then
msgInfo("Level Two Boiler Flex","The total number of Boiler Flexes are "
+strVal(totalNumberOfFlexes))
FlexPercentage=(numberOfFlexes/totalNumberOfFlexes)*100
msgInfo("Level Two Boiler Flex","The Level Two Boiler Flex percentage is "
+strVal(FlexPercentage))
else
msgStop("Problem","The TOTAL NUMBER of boiler flexes is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=flexPercentage
tc("PropType")="Lvl2"
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod
```

Object : #Page2.#Box23.LEVEL5\_LIST\_SHIPS\_BUTTON

MethodName : pushButton

```
Source : method pushButton(var eventInfo Event)
var
newView tableView
endVar
newView.open("Flex5")
```

endmethod

Object : #Page2.#Box23.LEVEL4\_LIST\_SHIPS\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
endVar  
newView.open("Flex4")  
endmethod

Object : #Page2.#Box23.LEVEL3\_LISTS\_SHIPS\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
endVar  
newView.open("Flex3")  
endmethod

Object : #Page2.#Box23.LEVEL2\_LIST\_SHIPS\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
endVar  
newView.open("Flex2")  
endmethod

Object : #Page2.#Box23.LEVEL1\_LIST\_SHIPS\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
endVar  
newView.open("Flex1")  
endmethod

Object : #Page2.#Box23.LEVEL4\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var

```

tc tCursor
tbl table
numberOfFlexes Number
totalNumberOfFlexes Number
flexPercentage Number
myQuery Query
examDate1 Date
examDate2 Date
endVar
doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 12/12/99)")

```

```
myQuery=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate | ExamType |
|_EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE OR REOPPE|

```

```

SHIP.DB | ShipName | PropType |
| Check _EG02, _EG01 | Check =STM|

```

```

MATERIAL.DB | MatID_Ship_ShipName_FK4 | TtlNrOfLevel4Flex |
|_EG02 | Check |

```

```

MATERIAL.DB | TtlNrOfBoilersFlexed | BoilerFlexComments |
| Check | Check |

```

```
EndQuery
```

```

doDefault
empty("flex4")
executeQBE(myQuery, "flex4.db")
tbl.attach("flex4")
numberOfFlexes=tbl.cSum("TtlNrOfLevel4Flex")
msgInfo("Level Four Boiler Flex", "The total number of Level Four Flexes are "
+strVal(NumberOfFlexes))
TotalNumberOfFlexes=tbl.cSum("TtlNrOfBoilersFlexed")
if totalNumberOfFlexes <> 0 then
msgInfo("Level Four Boiler Flex", "The total number of Boiler Flexes are "
+strVal(totalNumberOfFlexes))
FlexPercentage=(numberOfFlexes/totalNumberOfFlexes)*100
msgInfo("Level Four Boiler Flex", "The Level Four Boiler Flex percentage is "
+strVal(FlexPercentage))
else
msgStop("Problem", "The total number of flexes is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()

```

```

tc.("Percentage")=flexPercentage
tc.("PropType")="Lvl4"
tc.("examDate1")=examDate1
tc.("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box23.LEVEL5\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
tc tCursor
tbl table
numberOfFlexes Number
totalNumberOfFlexes Number
flexPercentage Number
myQuery Query
examDate1 Date
examDate2 Date
endVar
doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 12/12/99)")

myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
|_EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE OR REOPPE|

```

```

SHIP.DB | ShipName | PropType |
| Check _EG02, _EG01 | Check =STM|

```

```

MATERIAL.DB | MatID_Ship_ShipName_FK4 | TtlNrOfLevel5Flex |
|_EG02 | Check |

```

```

MATERIAL.DB | TtlNrOfBoilersFlexed | BoilerFlexComments |
| Check | Check |

```

EndQuery

```

doDefault
empty("flex5")
executeQBE(myQuery, "flex5.db")
tbl.attach("flex5")
numberOfFlexes=tbl.cSum("TtlNrOfLevel5Flex")
msgInfo("Level Five Boiler Flex","The total number of Level Five Flexes are "
+strVal(NumberOfFlexes))

```

```

TotalNumberOfFlexes=tbl.cSum("TtlNrOfBoilersFlexed")
if totalNumberOfFlexes <> 0 then
  msgInfo("Level Five Boiler Flex","The total number of Boiler Five are "
    +strVal(totalNumberOfFlexes))
  FlexPercentage=(numberOfFlexes/totalNumberOfFlexes)*100
  msgInfo("Level Five Boiler Flex","The Level Five Boiler Flex percentage is "
    +strVal(FlexPercentage))
else
  msgStop("Problem","The total number of flexes is 0, you cannot divide by 0!")
  return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=flexPercentage
tc("PropType")="Lvl5"
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box23.LEVEL1\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
  tc tCursor
  tbl table
  numberOfFlexes Number
  totalNumberOfFlexes Number
  flexPercentage Number
  myQuery Query
  myQuery1 Query
  examDate1 Date
  examDate2 Date
  PropType String
  ExamType String
endVar
doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 12/12/99)")

```

myQuery=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
| _EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE OR =REOPPE|

```

```

SHIP.DB | ShipName | PropType |
| Check _EG02, _EG01 | Check =STM|

```



```

MATERIAL.DB | MatID_Ship_ShipName_FK4 | TtlNrOfLevel1Flex |
            | _EG02                | Check          |

```

```

MATERIAL.DB | TtlNrOfBoilersFlexed | BoilerFlexComments |
            | Check                | Check          |

```

```

EndQuery
doDefault
empty("flex1")
executeQBE(myQuery, "flex1.db")
tbl.attach("flex1")
numberOfFlexes=tbl.cSum("TtlNrOfLevel1Flex")
msgInfo("Level One Boiler Flex","The total number of Level One Flexes are "
+strVal(NumberOfFlexes))
TotalNumberOfFlexes=tbl.cSum("TtlNrOfBoilersFlexed")
if totalNumberOfFlexes <> 0 then
    msgInfo("Level One Boiler Flex","The total number of Boiler Flexes are "
+strVal(totalNumberOfFlexes))
    FlexPercentage=(numberOfFlexes/totalNumberOfFlexes)*100
    msgInfo("Level One Boiler Flex","The Level One Boiler Flex percentage is "
+strVal(FlexPercentage))
else
    msgStop("Problem","The TOTAL NUMBER of boiler flexes is 0, you cannot divide by 0!")
    return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=flexPercentage
tc("PropType")="Lvl1"
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box23.LEVEL3\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
tc tCursor
tbl table
numberOfFlexes Number
totalNumberOfFlexes Number
flexPercentage Number
myQuery Query
examDate1 Date
examDate2 Date
endVar
doDefault
examDate1=date("01/01/00")

```

```

examDate2=date("12/31/99")
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 12/12/99)")

```

```

myQuery=Query

```

```

ANSWER: :PRIV:ANSWER.DB

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate | ExamType |
|_EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE OR =REOPPE|

```

```

SHIP.DB | ShipName | PropType |
| Check _EG02, _EG01 | Check =STM|

```

```

MATERIAL.DB | MatID_Ship_ShipName_FK4 | TtlNrOfLevel3Flex |
|_EG02 | Check |

```

```

MATERIAL.DB | TtlNrOfBoilersFlexed | BoilerFlexComments |
| Check | Check |

```

```

EndQuery

```

```

doDefault
empty("flex3")
executeQBE(myQuery, "flex3.db")
tbl.attach("flex3")
numberOfFlexes=tbl.cSum("TtlNrOfLevel3Flex")
msgInfo("Level Three Boiler Flex","The total number of Level Three Flexes are "
+strVal(NumberOfFlexes))
TotalNumberOfFlexes=tbl.cSum("TtlNrOfBoilersFlexed")
if totalNumberofFlexes <> 0 then
msgInfo("Level Three Boiler Flex","The total number of Boiler Flexes are "
+strVal(totalNumberOfFlexes))
FlexPercentage=(numberOfFlexes/totalNumberOfFlexes)*100
msgInfo("Level Three Boiler Flex","The Level Three Boiler Flex percentage is "
+strVal(FlexPercentage))
else
msgStop("Problem","The TOTAL NUMBER of boiler flexes is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=flexPercentage
tc("PropType")="Lvl3"
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : ECCTT\_QUERY

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  tc Tcursor
  examMenu Menu
  ReportPop PopUpMenu
  ViewPop PopUpMenu
  PrintPop PopUpMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    PrintPop.addText("U&nsat ECCTT Report")
    PrintPop.addText("S&at ECCTT Report")
    PrintPop.addText("&Graph")
    ViewPop.addText("&Unsat ECCTT Report")
    ViewPop.addText("&Sat ECCTT Report")
    ReportPop.addPopUp("&View", ViewPoP)
    ReportPop.addPopUp("&Print", PrintPoP)
    examMenu.addPopUp("&Report", ReportPoP)
    examMenu.addText("&Quit")
    examMenu.show()
    maximize()
    hideSpeedBar()
    tc.open("percent")
    tc.edit()
    tc.empty()
    tc.endEdit()
endif
endmethod
```

Object : ECCTT\_QUERY

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
  m menu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.
```

Switch

```
    case eventInfo.menuChoice() = "&Unsat ECCTT Report":
        myRep.open("ECCTT2", WinStyleMaximize)
        hideSpeedBar()
        m.addText("")
        m.show()
    case eventInfo.menuChoice() = "&Sat ECCTT Report":
        myRep.open("ECCTT", WinStyleMaximize)
        hideSpeedBar()
        m.addText("")
        m.show()
    case eventInfo.menuChoice() = "&Graph":
        myRep.print("ECCTT1")
    case eventInfo.menuChoice() = "U&nsat ECCTT Report":
        myRep.print("ECCTT2")
    case eventInfo.menuChoice() = "S&at ECCTT Report":
        myRep.print("ECCTT")
    case eventInfo.menuChoice() = "&Help":

    case eventInfo.menuChoice() = "&Quit":
        reply=msgQuestion("Quit", "Are you sure you want to leave this form?")
        If reply = "Yes" then
            close()
        else
            return
        endif
    endSwitch
endif
endmethod
```

Object : #Page2

MethodName : setFocus

```
Source : method setFocus(var eventInfo Event)
var
    examMenu Menu
    ReportPop PopUpMenu
    ViewPop PopUpMenu
    PrintPop PopUpMenu
endVar
PrintPop.addText("U&nsat ECCTT Report")
PrintPop.addText("S&at ECCTT Report")
PrintPop.addText("&Graph")
ViewPop.addText("&Unsat ECCTT Report")
ViewPop.addText("&Sat ECCTT Report")
ReportPop.addPopUp("&View", ViewPop)
ReportPop.addPopUp("&Print", PrintPop)
examMenu.addPopUp("&Report", ReportPop)
examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
endmethod
```

Object : #Page2.RESET\_GRAPH\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
tc Tcursor  
endVar  
tc.open("percent")  
tc.edit()  
tc.empty()  
tc.endEdit()  
endmethod

Object : #Page2.LIST\_SHIPS\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
choice string  
endVar  
choice="SAT"  
choice.view("Enter SAT or UNS to view the list of ships")  
switch  
case choice="SAT": newView.open("ECCTT")  
case choice="UNS": newView.open("ECCTT2")  
otherwise:  
msgStop("Problem","The choices for ECCTT grade are SAT, or UNS only!")  
return  
endSwitch  
endmethod

Object : #Page2.ECCTT\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
tc tCursor  
tbl table  
tbl1 table  
numberOfSatECCTT Number  
totalNumberOfECCTT Number  
satPercentageECCTT Number  
myQuery Query  
myQuery1 Query  
myQuery2 Query  
examDate1 Date  
examDate2 Date  
propType String  
examType String

```

endVar
doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
return
endSwitch

if propType="ALL" then
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

SHIP.DB | ShipName | PropType |
|_EG01 | Check |

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate |
| Check_EG01 | Check >=~examDate1, <=~examDate2|

OPERATIO.DB | EccttGrade | EccttComments |
| Check =SAT | Check |

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

SHIP.DB | ShipName | PropType |
|_EG01 | Check |

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate |
| Check_EG01 | Check >=~examDate1, <=~examDate2|

OPERATIO.DB | EccttGrade | EccttComments |
| Check | Check |

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

```

SHIP.DB | ShipName | PropType |  
|\_EG01 | Check |

OPERATIO.DB | Operati\_Ship\_ShipName\_FK3 | OperationID\_ExamEndDate |  
| Check \_EG01 | Check >=~examDate1, <=~examDate2|

OPERATIO.DB | EccttGrade | EccttComments |  
| Check =UNS | Check |

EndQuery

else  
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

SHIP.DB | ShipName | PropType |  
|\_EG01 | Check =~PropType|

OPERATIO.DB | Operati\_Ship\_ShipName\_FK3 | OperationID\_ExamEndDate |  
| Check \_EG01 | Check >=~examDate1, <=~examDate2|

OPERATIO.DB | EccttGrade | EccttComments |  
| Check =SAT | Check |

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

SHIP.DB | ShipName | PropType |  
|\_EG01 | Check =~PropType|

OPERATIO.DB | Operati\_Ship\_ShipName\_FK3 | OperationID\_ExamEndDate |  
| Check \_EG01 | Check >=~examDate1, <=~examDate2|

OPERATIO.DB | EccttGrade | EccttComments |  
| Check | Check |

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

SHIP.DB | ShipName | PropType |  
|\_EG01 | Check =~PropType|

OPERATIO.DB | Operati\_Ship\_ShipName\_FK3 | OperationID\_ExamEndDate |  
| Check \_EG01 | Check >=~examDate1, <=~examDate2|

```

OPERATIO.DB | EccttGrade | EccttComments |
| Check =UNS | Check      |

```

```

EndQuery
endif

```

```

empty("ECCTT")
empty("ECCTT1")
empty("ECCTT2")
executeQBE(myQuery, "ECCTT.db")
executeQBE(myQuery1, "ECCTT1.db")
executeQBE(myQuery2, "ECCTT2.db")
tbl.attach("ECCTT")
tbl1.attach("ECCTT1")
numberOfSatECCTT=tbl.cCount("EccttGrade")
msgInfo("ECCTT","The total number of sats are "
+strVal(NumberOfSatECCTT))
TotalNumberOfECCTT=tbl1.cCount("EccttGrade")
if TotalNumberOfECCTT <> 0 then
  msgInfo("ECCTT","The total number is "
+strVal(totalNumberOfECCTT))
  SatPercentageECCTT=(numberOfSatECCTT/totalNumberOfECCTT)*100
  msgInfo("ECCTT","The sat percentage is "
+strVal(satPercentageECCTT))
else
  msgStop("Problem","The total number of ECCTT grades is 0, you cannot divide by 0!")
  return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageECCTT
tc("PropType")=PropType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```



Object : FIRE\_DRILL\_QUERY

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  tc Tcursor
  examMenu, View, Print, ReportMenu Menu
  ReportPop PopUpMenu
  AddPoP PopUpMenu
  PrintPop PopUpMenu
  ViewPop PopUpMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

  ReportPop.addPopUp("&View", ViewPop)
  ReportPop.addPopUp("&Print", PrintPop)
  PrintPop.addText("FireDrill &1")
  PrintPop.addText("FireDrill &2")
  PrintPop.addText("FireDrill &3")
  PrintPop.addText("&Graph")

  ViewPop.addText("Fire Drill &1")
  ViewPop.addText("Fire Drill &2")
  ViewPop.addText("Fire Drill &3")

  examMenu.addPopUp("&View", ViewPop)
  examMenu.addPopUP("&Print", PrintPop)
  examMenu.addText("&Quit")
  examMenu.show()
  maximize()
  hideSpeedBar()
  tc.open("percent")
  tc.edit()
  tc.empty()
  tc.endEdit()
endif
endmethod
```

Object : FIRE\_DRILL\_QUERY

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
  m menu
endVar
```

```

if eventInfo.isPreFilter()
then
    ; This code executes for each object on the form.

else
    ; This code executes only for the form.
Switch
    case eventInfo.menuChoice() = "&Locate":
        action(DataSearch)
    case eventInfo.menuChoice() = "&Delete":
        if "Yes" = msgQuestion("Delete Record", "Are you sure you want to delete this RECORD?") then
            deleteRecord()
        endif
    case eventInfo.menuChoice() = "Fire Drill &1":
        myRep.open("FireDrl1", WinStyleMaximize)
        hideSpeedBar()
        m.addText("")
        m.show()
    case eventInfo.menuChoice() = "Fire Drill &2":
        myRep.open("FireDrl2", WinStyleMaximize)
        hideSpeedBar()
        m.addText("")
        m.show()
    case eventInfo.menuChoice() = "Fire Drill &3":
        myRep.open("FireDrl3", WinStyleMaximize)
        hideSpeedBar()
        m.addText("")
        m.show()
    case eventInfo.menuChoice() = "FireDrill &1":
        myRep.print("FireDrl1")
    case eventInfo.menuChoice() = "FireDrill &2":
        myRep.print("FireDrl2")
    case eventInfo.menuChoice() = "FireDrill &3":
        myRep.print("FireDrl3")
    case eventInfo.menuChoice() = "&Graph":
        myRep.print("FireDril")
    case eventInfo.menuChoice() = "&Help":

    case eventInfo.menuChoice() = "&Quit":
        reply = msgQuestion("Quit", "Are you sure you want to leave this form?")
        If reply = "Yes" then
            close()
        else
            return
        endif
endSwitch
endif
endmethod

```

Object : #Page2

MethodName : setFocus

Source : method setFocus(var eventInfo Event)

```

var
  examMenu, View, Print, ReportMenu Menu
  ReportPop PopUpMenu
  AddPop PopUpMenu
  PrintPop PopUpMenu
  ViewPop PopUpMenu
endVar
ReportPop.addPopUp("&View", ViewPop)
ReportPop.addPopUp("&Print", PrintPop)
PrintPop.addText("FireDrill &1")
PrintPop.addText("FireDrill &2")
PrintPop.addText("FireDrill &3")
PrintPop.addText("&Graph")

ViewPop.addText("Fire Drill &1")
ViewPop.addText("Fire Drill &2")
ViewPop.addText("Fire Drill &3")

examMenu.addPopUp("&View", ViewPop)
examMenu.addPopUp("&Print", PrintPop)
examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
endmethod

```

Object : #Page2.#Box15.FD3\_LIST\_SHIPS\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
  newView tableView
endVar
newView.open("fireDrl3")
endmethod

```

Object : #Page2.#Box15.FD2\_LIST\_SHIPS\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
  newView tableView
endVar
newView.open("fireDrl2")
endmethod

```

Object : #Page2.#Box15.FD1\_LIST\_SHIPS\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
  newView tableView
endVar
newView.open("fireDr11")
endmethod

```

Object : #Page2.#Box15.FIRE\_DRILL\_3\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
  tc tCursor
  tbl table
  tbl1 table
  tbl2 table
  numberOfSats Number
  totalNumberOfDrills Number
  satPercentage Number
  myQuery Query
  myQuery1 Query
  examDate1 Date
  examDate2 Date
  PropType String
  ExamType String
endVar
empty("temp3")
tbl2.attach("temp3.db")
doDefault
empty("firedr13")
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter end date (I.E. 01/01/95)")
propType.view("Enter (GT/STM/DSL)")
switch
  case propType="GT":
  case propType="STM":
  case propType="DSL":
  case propType="ALL":
  otherwise:
    msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, ALL only!")
    return
endSwitch
examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
  case examType="OPPE":
  case examType="REOPPE":
  case examType="LOE":
  case examType="RELOE":
  otherwise:
    msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")

```

```
return  
endSwitch
```

```
if propType="ALL" then  
myQuery=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |  
|_EG01 | Check >=~examDate1, <=~examDate2|Check =~examType |
```

```
SHIP.DB | ShipName | PropType |  
| Check _EG02, _EG01 | Check |
```

```
FIREFIGH.DB | FireFig_Ship_ShipName_FK5 | FireDrill3_Grade |FireDrillComments|  
|_EG02 | Check =SAT |Check|
```

```
EndQuery
```

```
myQuery1=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |  
|_EG01 | Check >=~examDate1, <=~examDate2|Check =~ExamType |
```

```
SHIP.DB | ShipName | PropType |  
| Check _EG02, _EG01 | Check |
```

```
FIREFIGH.DB | FireFig_Ship_ShipName_FK5 | FireDrill1_Grade | FireDrill2_Grade |  
|_EG02 | Check | Check |
```

```
FIREFIGH.DB | FireDrill3_Grade |FireDrillComments|  
| Check =SAT OR =UNS|Check|
```

```
EndQuery
```

```
else  
myQuery=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |  
|_EG01 | Check >=~examDate1, <=~examDate2|Check =~examType |
```

```
SHIP.DB | ShipName | PropType |  
| Check _EG02, _EG01 | Check =~propType|
```

```
FIREFIGH.DB | FireFig_Ship_ShipName_FK5 | FireDrill3_Grade |FireDrillComments|  
|_EG02 | Check =SAT |Check|
```

```
EndQuery
```

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamID\_ExamEndDate | ExamType |  
|\_EG01 | Check >=~examDate1, <=~examDate2|Check =~ExamType |

SHIP.DB | ShipName | PropType |  
| Check \_EG02, \_EG01 | Check =~proptype|

FIREFIGH.DB | FireFig\_Ship\_ShipName\_FK5 | FireDrill1\_Grade | FireDrill2\_Grade |  
|\_EG02 | Check | Check |

FIREFIGH.DB | FireDrill3\_Grade | FireDrillComments|  
| Check =SAT OR =UNS|Check|

EndQuery  
endif

```
empty("fireDrl3")
executeQBE(myQuery, "temp3.db")
executeQBE(myQuery1, "fireDrlB.db")
tbl2.add("firedrl3.db", "True", "False")
tbl.attach("fireDrl3")
tbl1.attach("fireDrlB")
numberOfSats=tbl.cCount("FireDrill3_Grade")
msgInfo("Fire Drill Three", "The total number of sat drills are "
+strVal(NumberOfSats))
TotalNumberOfDrills=tbl1.cCount("FireDrill3_Grade")
if TotalNumberOfDrills <> 0 then
    msgInfo("Fire Drill Three", "The total number of fire drills are "
+strVal(totalNumberOfDrills))
    SatPercentage=(numberOfSats/totalNumberOfDrills)*100
    msgInfo("Fire Drill Three", "The sat fire drill percentage is "
+strVal(satPercentage))
else
    msgStop("Problem", "The total number of drills is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentage
tc("PropType")=propType
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod
```

Object : #Page2.#Box15.FIRE\_DRILL\_2\_BUTTON

MethodName : pushButton

```
Source :      method pushButton(var eventInfo Event)
              var
              tc tCursor
              tbl table
              tbl1 table
              tbl2 table
              numberOfSats Number
              totalNumberOfDrills Number
              satPercentage Number
              myQuery Query
              myQuery1 Query
              examDate1 Date
              examDate2 Date
              PropType String
              ExamType String
              endVar
              doDefault
              empty("temp2")
              tbl2.attach("temp2.db")
              empty("firedrl2")
              examDate1=date("01/01/00")
              examDate2=date("12/31/99")
              propType="GT"
              examType="OPPE"
              examDate1.view("Enter start date (I.E. 01/01/95)")
              examDate2.view("Enter stop date (I.E. 01/01/95)")
              propType.view("Enter (GT/STM/DSL)")
              switch
              case propType="GT":
              case propType="STM":
              case propType="DSL":
              case propType="ALL":
              otherwise:
              msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
              return
              endSwitch
              examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
              switch
              case examType="OPPE":
              case examType="REOPPE":
              case examType="LOE":
              case examType="RELOE":
              otherwise:
              msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
              return
              endSwitch

              if propType="ALL" then
              myQuery=Query
```

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamID\_ExamEndDate

|ExamType |

```

|_EG01 | Check >=~examDate1, <=~examDate2|Check =~examType |
SHIP.DB | ShipName | PropType |
| Check _EG02, _EG01 | Check |
FIREFIGH.DB | FireFig_Ship_ShipName_FK5 | FireDrill2_Grade |FireDrillComments|
|_EG02 | Check =SAT |Check |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
|_EG01 | Check >=~examDate1, <=~examDate2|Check =~ExamType |
SHIP.DB | ShipName | PropType |
| Check _EG02, _EG01 | Check |
FIREFIGH.DB | FireFig_Ship_ShipName_FK5 | FireDrill1_Grade | FireDrill2_Grade |
|_EG02 | Check | Check |
FIREFIGH.DB | FireDrill3_Grade |FireDrillComments|
| Check |Check |

```

EndQuery

else  
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
|_EG01 | Check >=~examDate1, <=~examDate2|Check =~examType |
SHIP.DB | ShipName | PropType |
| Check _EG02, _EG01 | Check =~propType|
FIREFIGH.DB | FireFig_Ship_ShipName_FK5 | FireDrill2_Grade |FireDrillComments|
|_EG02 | Check =SAT |Check |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
|_EG01 | Check >=~examDate1, <=~examDate2|Check =~ExamType |
SHIP.DB | ShipName | PropType |

```



| Check \_EG02, \_EG01 | Check =~proptype|

FIREFIGH.DB | FireFig\_Ship\_ShipName\_FK5 | FireDrill1\_Grade | FireDrill2\_Grade |  
| \_EG02 | Check | Check |

FIREFIGH.DB | FireDrill3\_Grade | FireDrillComments|  
| Check | Check |

```
EndQuery
endif
executeQBE(myQuery, "temp2.db")
executeQBE(myQuery1, "fireDriA.db")
tbl2.add("firedri2.db", "True", "False")
tbl.attach("fireDri2")
tbl1.attach("fireDriA")
numberOfSats=tbl.cCount("FireDrill2_Grade")
msgInfo("Fire Drill Two", "The total number of sat drills are "
+strVal(NumberOfSats))
TotalNumberOfDrills=tbl1.cCount("FireDrill2_Grade")
if TotalNumberOfDrills <> 0 then
msgInfo("Fire Drill Two", "The total number of fire drills are "
+strVal(totalNumberOfDrills))
SatPercentage=(numberOfSats/totalNumberOfDrills)*100
msgInfo("Fire Drill Two", "The sat fire drill percentage is "
+strVal(satPercentage))
else
msgStop("Problem", "The total number of drills is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentage
tc("PropType")=propType
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod
```

Object : #Page2.#Box15.FIRE\_DRILL\_1\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
tc tCursor  
tbl table  
tbl1 table  
tbl2 table  
numberOfSats Number  
totalNumberOfDrills Number  
satPercentage Number

```

myQuery Query
myQuery1 Query
examDate1 Date
examDate2 Date
PropType String
ExamType String
endVar
doDefault
empty("temp1")
tbl2.attach("temp1.db")
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 12/12/99)")
propType.view("Enter (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
  msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
  return
endSwitch
examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
  msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
  return
endSwitch
if propType="ALL" then
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate | ExamType |
      | _EG01 | Check >=~examDate1, <=~examDate2| Check =~examType|

```

```

FIREFIGH.DB | FireFig_Ship_ShipName_FK5 | FireDrill1_Grade |
      | _EG02, _EG01 | Check =SAT |

```

```

FIREFIGH.DB | FireDrillComments |
      | Check |

```

```

SHIP.DB | ShipName | PropType |
      | Check _EG02 | Check |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamID\_ExamEndDate | ExamType |  
|\_EG01 | Check >=~examDate1, <=~examDate2| Check =~examType|

SHIP.DB | ShipName | PropType|  
| Check \_EG02, \_EG01 | Check |

FIREFIGH.DB | FireFig\_Ship\_ShipName\_FK5 | FireDrill1\_Grade | FireDrill2\_Grade |  
|\_EG02 | Check | Check |

FIREFIGH.DB | FireDrill3\_Grade | FireDrillComments |  
| Check | Check |

EndQuery

else

myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamID\_ExamEndDate | ExamType |  
|\_EG01 | Check >=~examDate1, <=~examDate2| Check =~examType|

FIREFIGH.DB | FireFig\_Ship\_ShipName\_FK5 | FireDrill1\_Grade |  
|\_EG02, \_EG01 | Check =SAT |

FIREFIGH.DB | FireDrillComments |  
| Check |

SHIP.DB | ShipName | PropType |  
| Check \_EG02 | Check =~propType|

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamID\_ExamEndDate | ExamType |  
|\_EG01 | Check >=~examDate1, <=~examDate2| Check =~examType|

SHIP.DB | ShipName | PropType |  
| Check \_EG02, \_EG01 | Check =~propType|

FIREFIGH.DB | FireFig\_Ship\_ShipName\_FK5 | FireDrill1\_Grade | FireDrill2\_Grade |  
|\_EG02 | Check | Check |

FIREFIGH.DB | FireDrill3\_Grade | FireDrillComments |  
| Check | Check |

```

EndQuery
endif
doDefault
empty("fireDr11")
executeQBE(myQuery,"temp1.db")
executeQBE(myQuery1, "fireDr1A.db")
tbl2.add("fireDr11","True","False")
tbl.attach("fireDr11")
tbl1.attach("fireDr1A")
numberOfSats=tbl.cCount("FireDrill1_Grade")
msgInfo("Fire Drill One","The total number of sat drills are "
+strVal(NumberOfSats))
TotalNumberOfDrills=tbl1.cCount("FireDrill1_Grade")
if TotalNumberOfDrills <> 0 then
msgInfo("Fire Drill One","The total number of fire drills are "
+strVal(totalNumberOfDrills))
SatPercentage=(numberOfSats/totalNumberOfDrills)*100
msgInfo("Fire Drill One","The sat fire drill percentage is "
+strVal(satPercentage))
else
msgStop("Problem","The total number of drills is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentage
tc("PropType")=propType
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.RESET\_GRAPH\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
tc Tcursor
endVar
tc.open("percent")
tc.edit()
tc.empty()
tc.endEdit()
endmethod

```

Object : HIGH\_POWER\_DEMO\_QUERY

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  tc Tcursor
  examMenu Menu
  ReportPop PopUpMenu
  AddPoP PopUpMenu
  PrintPop PopUpMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    PrintPop.addText("&High Power Report")
    PrintPop.addText("&Graph")
    ReportPop.addText("&View")
    ReportPop.addPopUp("&Print",PrintPoP)
    examMenu.addPopUp("&Report", ReportPoP)
    examMenu.addText("&Quit")
    examMenu.show()
    maximize()
    hideSpeedBar()
    tc.open("percent")
    tc.edit()
    tc.empty()
    tc.endEdit()
endif
endmethod
```

Object : HIGH\_POWER\_DEMO\_QUERY

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
  m menu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    Switch
      case eventInfo.menuChoice() ="&View":
```

```

        myRep.open("HighPwr", WinStyleMaximize)
        hideSpeedBar()
        m.addText("")
        m.show()
    case eventInfo.menuChoice() = "&High Power Report":
        myRep.print("HighPwr")
    case eventInfo.menuChoice() = "&Graph":
        myRep.print("HiPwr")
    case eventInfo.menuChoice() = "&Help":

    case eventInfo.menuChoice() = "&Quit":
        reply=msgQuestion("Quit", "Are you sure you want to leave this form?")
        If reply = "Yes" then
            close()
        else
            return
        endif
    endSwitch
endif
endmethod

```

Object : #Page2

MethodName : setFocus

```

Source : method setFocus(var eventInfo Event)
var
    examMenu Menu
    ReportPop PopUpMenu
    AddPoP PopUpMenu
    PrintPop PopUpMenu
endVar

PrintPop.addText("&High Power Report")
PrintPop.addText("&Graph")
ReportPop.addText("&View")
ReportPop.addPopUp("&Print", PrintPoP)
examMenu.addPopUp("&Report", ReportPoP)
examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
endmethod

```

Object : #Page2.#Box7.LIST\_SHIPS\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
    newView tableView
endVar

newView.open("Highpwr")

```

endmethod

Object : #Page2.#Box7.HIGH\_PWR\_DEMO\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```
var
  tc tCursor
  tbl table
  tbl1 table
  numberOfSats Number
  totalNumberOfGrades Number
  SatPercentage Number
  myQuery Query
  myQuery1 Query
  examDate1 Date
  examDate2 Date
  PropType String
endvar
dodefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter the stop date (I.E. 01/01/95)")
propType.view("Enter the prop type (GT/STM/DSL)")
Switch
  case propType="GT":
  case propType="STM":
  case propType="DSL":
  case propType="ALL":
  otherwise:
    msgStop("Problem", "Your choice must be either GT, STM, DSL or ALL.")
  return
endSwitch

if propType="ALL" then
  myQuery=Query
```

ANSWER: :PRIV:ANSWER.DB

```
MATERIAL.DB | MatID_Ship_ShipName_FK4 | MatID_ExamEndDate | HighPwrDemoGrade |
HighPwrComments |
  | _EG02 | Check >=~examDate1, <=~examDate2| Check =SAT | Check |
```

```
SHIP.DB | ShipName | PropType|
| Check _EG02 | Check |
```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```
MATERIAL.DB | MatID_Ship_ShipName_FK4 | MatID_ExamEndDate | HighPwrDemoGrade |  
HighPwrComments |  
| _EG02 | Check >=~examDate1, <=~examDate2| Check |
```

```
SHIP.DB | ShipName | PropType|  
| Check _EG02 | Check |
```

EndQuery

else  
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

```
MATERIAL.DB | MatID_Ship_ShipName_FK4 | MatID_ExamEndDate | HighPwrDemoGrade |  
HighPwrComments |  
| _EG02 | Check >=~examDate1, <=~examDate2| Check =SAT | Check |
```

```
SHIP.DB | ShipName | PropType |  
| Check _EG02 | Check =~propType|
```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```
MATERIAL.DB | MatID_Ship_ShipName_FK4 | MatID_ExamEndDate | HighPwrDemoGrade |  
HighPwrComments |  
| _EG02 | Check >=~examDate1, <=~examDate2| Check | Check |
```

```
SHIP.DB | ShipName | PropType |  
| Check _EG02 | Check =~propType|
```

EndQuery

endif

```
empty("Highpwr")  
empty("Highpwr1")  
executeQBE(myQuery, "Highpwr.db")  
executeQBE(myQuery1, "Highpwr1.db")
```

```
tbl.attach("Highpwr")  
tbl1.attach("Highpwr1")  
numberOfSats=tbl.cCount("HighPwrDemoGrade")  
msgInfo("Number of Sats", "The total number of sat high power demos are "  
+strVal(numberOfSats))  
totalNumberOfGrades=tbl1.cCount("HighPwrDemoGrade")  
if TotalNumberOfGrades <> 0 then  
msgInfo("Total Number of Grades", "The total number of high power demos are "
```



```

+strVal(totalNumberOfGrades)).
SatPercentage=(NumberOfSats/TotalNumberOfGrades)*100
msgInfo("Sat Percentage","The high power demo sat percentage is "
+strVal(SatPercentage))
else
msgStop("Problem","The total number of grades is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentage
tc("PropType")=propType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box7.RESET\_GRAPH\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
tc Tcursor
endVar
tc.open("percent")
tc.edit()
tc.empty()
tc.endEdit()
endmethod

```

Object : OPPE\_LOE\_AREA\_QUERY

MethodName : Const

Source : Const  
ViewUnsatOPPE=301  
ViewUnsatOperation=302  
ViewUnsatFireFighting=303  
ViewUnsatMaterial=304  
ViewUnsatTraining=305  
ViewUnsatProgramManagment=306  
ViewUnsatLOE=325  
ViewSatOPPE=307  
ViewSatOperation=308  
ViewSatFireFighting=309  
ViewSatMaterial=310  
ViewSatTraining=311  
ViewSatProgramManagement=312  
ViewSatLOE=326  
PrintUnsatOPPE=313  
PrintUnsatOperation=314  
PrintUnsatFireFighting=315  
PrintUnsatMaterial=316  
PrintUnsatTraining=317  
PrintUnsatProgramManagment=318  
PrintUnsatLOE=327  
PrintSatOPPE=319  
PrintSatOperation=320  
PrintSatFireFighting=321  
PrintSatMaterial=322  
PrintSatTraining=323  
PrintSatProgramManagement=324  
PrintSatLOE=328  
endConst

Object : OPPE\_LOE\_AREA\_QUERY

MethodName : arrive

Source : method arrive(var eventInfo MoveEvent)  
var  
tc Tcursor  
examMenu, View, Print, ReportMenu Menu  
ReportPop PopUpMenu  
AddPoP PopUpMenu  
PrintPop PopUpMenu  
ViewPop PopUpMenu  
ViewSatPop PopUpMenu  
ViewUnsatPop PopUpMenu  
PrintSatPop PopUpMenu  
PrintUnsatPop PopUpMenu  
examtype PopupMenu  
endVar  
if eventInfo.isPreFilter()

then  
; This code executes for each object on the form.

else  
; This code executes only for the form.

```
ViewUnsatPop.addText("&OPPE Percentage","",ViewUnsatOppe)
ViewUnsatPop.addText("Op&eration Percentage","",ViewUnsatOperation)
ViewUnsatPop.addText("&Fire Fighting Percentage","",ViewUnsatFireFighting)
ViewUnsatPop.addText("&Material Percentage","",ViewUnsatMaterial)
ViewUnsatPop.addText("&Training Percentage","",ViewUnsatTraining)
ViewUnsatPop.addText("&Program Management Percentage","",ViewUnsatProgramManagement)
ViewUnsatPop.addText("&LOE Percentage","",ViewUnsatLOE)
ViewSatPop.addText("&OPPE Percentage","",ViewSatOppe)
ViewSatPop.addText("Op&eration Percentage","",ViewSatOperation)
ViewSatPop.addText("&Fire Fighting Percentage","",ViewSatFireFighting)
ViewSatPop.addText("&Material Percentage","",ViewSatMaterial)
ViewSatPop.addText("&Training Percentage","",ViewSatTraining)
ViewSatPop.addText("&Program Management Percentage","",ViewSatProgramManagement)
ViewSatPop.addText("&LOE Percentage","",ViewSatLOE)
```

```
PrintUnsatPop.addText("&OPPE Percentage","",PrintUnsatOppe)
PrintUnsatPop.addText("Op&eration Percentage","",PrintUnsatOperation)
PrintUnsatPop.addText("&Fire Fighting Percentage","",PrintUnsatFireFighting)
PrintUnsatPop.addText("&Material Percentage","",PrintUnsatMaterial)
PrintUnsatPop.addText("&Training Percentage","",PrintUnsatTraining)
PrintUnsatPop.addText("&Program Management Percentage","",PrintUnsatProgramManagement)
PrintUnsatPop.addText("&LOE Percentage","",PrintUnsatLOE)
PrintSatPop.addText("&OPPE Percentage","",PrintSatOppe)
PrintSatPop.addText("Op&eration Percentage","",PrintSatOperation)
PrintSatPop.addText("&Fire Fighting Percentage","",PrintSatFireFighting)
PrintSatPop.addText("&Material Percentage","",PrintSatMaterial)
PrintSatPop.addText("&Training Percentage","",PrintSatTraining)
PrintSatPop.addText("&Program Management Percentage","",PrintSatProgramManagement)
PrintSatPop.addText("&LOE Percentage","",PrintSatLOE)
```

```
PrintPop.addText("&Graph")
PrintPop.addPopUp("&Sat",PrintSatPop)
PrintPop.addPopUp("&Unsat",PrintUnsatPop)
```

```
ViewPop.addPopUp("&Sat", ViewSatPop)
ViewPop.addPopUp("&Unsat",ViewUnsatPop)
```

```
examMenu.addPopUp("&View", ViewPop)
examMenu.addPopUP("&Print", PrintPop)
examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
tc.open("percent")
tc.edit()
tc.empty()
tc.endEdit()
endif
```

endmethod

Object : OPPE\_LOE\_AREA\_QUERY

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
  choiceld SmallInt
  m menu
endVar
choiceld=eventInfo.id()

if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

Switch
  case eventInfo.menuChoice() = "&Graph":
    myRep.print("OppeSum")
  case eventInfo.menuChoice() = "&Help":
  case eventInfo.menuChoice() = "&Quit":
    reply=msgQuestion("Quit", "Are you sure you want to leave this form?")
    If reply = "Yes" then
      close()
    else
      return
    endif
endSwitch
Switch
  case choiceld =ViewSatOppe:
    myRep.open("oppeperc", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
    m.show()
  case choiceld =ViewSatOperation:
    myRep.open("operperc", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
    m.show()
  case choiceld =ViewSatFireFighting:
    myRep.open("FireFigh", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
    m.show()
  case choiceld =ViewSatMaterial:
    myRep.open("Matperc", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
```

```

m.show()
case choiceld =ViewSatTraining :
    myRep.open("Training", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =ViewSatProgramManagement:
    myRep.open("ProgramM", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
    m.show()
    case choiceld =ViewSatLOE:
        myRep.open("LoeSum", WinStyleMaximize)
        hideSpeedBar()
        m.addText("")
        m.show()
case choiceld =ViewUnsatOPPE:
    myRep.open("oppeper1", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =ViewUnsatOperation:
    myRep.open("operper1", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =ViewUnsatFireFighting:
    myRep.open("FireFig1", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =ViewUnsatMaterial:
    myRep.open("Matper1", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =ViewUnsatTraining:
    myRep.open("Trainin1", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld = ViewUnsatProgramManagment:
    myRep.open("Program1", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
    m.show()
    case choiceld = ViewUnsatLOE:
        myRep.open("LoeSum1", WinStyleMaximize)
        hideSpeedBar()
        m.addText("")
        m.show()
case choiceld =PrintSatOppe:
    myRep.print("oppeperc")
case choiceld =PrintSatOperation:
    myRep.print("operperc")

```

```

case choiceld =PrintSatFireFighting:
    myRep.print("FireFigh")
case choiceld =PrintSatMaterial:
    myRep.print("Matperc")
case choiceld =PrintSatTraining :
    myRep.print("Training")
case choiceld =PrintSatProgramManagement:
    myRep.print("ProgramM")
case choiceld =PrintSatLOE:
    myRep.print("LoeSum")
case choiceld =PrintUnsatOPPE:
    myRep.print("oppeper1")
case choiceld =PrintUnsatOperation:
    myRep.print("operper1")
case choiceld =PrintUnsatFireFighting:
    myRep.print("FireFig1")
case choiceld =PrintUnsatMaterial:
    myRep.print("Matper1")
case choiceld =PrintUnsatTraining:
    myRep.print("Trainin1")
case choiceld = PrintUnsatProgramManagment:
    myRep.print("Program1")
case choiceld = PrintUnsatLOE:
    myRep.print("LoeSum1")
endSwitch
endif
endmethod

```

Object : #Page2

MethodName : setFocus

Source : method setFocus(var eventInfo Event)

```

var
examMenu, View, Print, ReportMenu Menu
ReportPop PopUpMenu
AddPoP PopUpMenu
PrintPop PopUpMenu
ViewPop PopUpMenu
ViewSatPop PopUpMenu
ViewUnsatPop PopUpMenu
PrintSatPop PopUpMenu
PrintUnsatPop PopUpMenu
examtype PopupMenu
endVar

```

```

ViewUnsatPop.addText("&OPPE Percentage","",ViewUnsatOppe)
ViewUnsatPop.addText("Op&eration Percentage","",ViewUnsatOperation)
ViewUnsatPop.addText("&Fire Fighting Percentage","",ViewUnsatFireFighting)
ViewUnsatPop.addText("&Material Percentage","",ViewUnsatMaterial)
ViewUnsatPop.addText("&Training Percentage","",ViewUnsatTraining)
ViewUnsatPop.addText("&Program Management Percentage","",ViewUnsatProgramManagment)
ViewUnsatPop.addText("&LOE Percentage","",ViewUnsatLOE)
ViewSatPop.addText("&OPPE Percentage","",ViewSatOppe)

```

```

ViewSatPop.addText("&Operation Percentage","",ViewSatOperation)
ViewSatPop.addText("&Fire Fighting Percentage","",ViewSatFireFighting)
ViewSatPop.addText("&Material Percentage","",ViewSatMaterial)
ViewSatPop.addText("&Training Percentage","",ViewSatTraining)
ViewSatPop.addText("&Program Management Percentage","",ViewSatProgramManagement)
ViewSatPop.addText("&LOE Percentage","",ViewSatLOE)

PrintUnsatPop.addText("&OPPE Percentage","",PrintUnsatOppe)
PrintUnsatPop.addText("&Operation Percentage","",PrintUnsatOperation)
PrintUnsatPop.addText("&Fire Fighting Percentage","",PrintUnsatFireFighting)
PrintUnsatPop.addText("&Material Percentage","",PrintUnsatMaterial)
PrintUnsatPop.addText("&Training Percentage","",PrintUnsatTraining)
PrintUnsatPop.addText("&Program Management Percentage","",PrintUnsatProgramManagment)
PrintUnsatPop.addText("&LOE Percentage","",PrintUnsatLOE)
PrintSatPop.addText("&OPPE Percentage","",PrintSatOppe)
PrintSatPop.addText("&Operation Percentage","",PrintSatOperation)
PrintSatPop.addText("&Fire Fighting Percentage","",PrintSatFireFighting)
PrintSatPop.addText("&Material Percentage","",PrintSatMaterial)
PrintSatPop.addText("&Training Percentage","",PrintSatTraining)
PrintSatPop.addText("&Program Management Percentage","",PrintSatProgramManagement)
PrintSatPop.addText("&LOE Percentage","",PrintSatLOE)

PrintPop.addText("&Graph")
PrintPop.addPopUp("&Sat",PrintSatPop)
PrintPop.addPopUp("&Unsat",PrintUnsatPop)

ViewPop.addPopUp("&Sat",ViewSatPop)
ViewPop.addPopUp("&Unsat",ViewUnsatPop)

examMenu.addPopUp("&View",ViewPop)
examMenu.addPopUP("&Print",PrintPop)
examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
endmethod

```

Object : #Page2.RESET\_GRAPH\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
tc Tcursor
endVar
tc.open("percent")
tc.edit()
tc.empty()
tc.endEdit()
endmethod

```

Object : #Page2.#Box22.#Button34

MethodName : pushButton

```
Source :      method pushButton(var eventInfo Event)
              var
              newView tableView
              choice string
              endVar
              choice="SAT"
              choice.view("Enter SAT or UNS to view the list of ships")
              switch
              case choice="SAT": newView.open("oppeSum")
              case choice="UNS": newView.open("oppeSum2")
              otherwise:
              msgStop("Problem","The choices for Exam grade are SAT, or UNS only!")
              return
              endSwitch
              endmethod
```

Object : #Page2.#Box22.#Button32

MethodName : pushButton

```
Source :      method pushButton(var eventInfo Event)
              var
              tc tCursor
              tbl table
              tbl1 table
              numberOfSatsOppe Number
              totalNumberOfOppe Number
              satPercentageOppe Number
              myQuery Query
              myQuery1 Query
              myQuery2 Query
              examDate1 Date
              examDate2 Date
              propType String
              examType String
              endVar
              doDefault
              examDate1=date("01/01/00")
              examDate2=date("12/31/99")
              propType="GT"
              examDate1.view("Enter start date (I.E. 01/01/95)")
              examDate2.view("Enter stop date (I.E. 01/01/95)")
              propType.view("Enter prop type (GT/STM/DSL)")
              switch
              case propType="GT":
              case propType="STM":
              case propType="DSL":
              case propType="ALL":
              otherwise:
              msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL or ALL only!")
              return
              endSwitch
```



```
if propType="ALL" then
myQuery=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
OverallFinding |
| Check_EG01 | Check >=~examDate1, <=~examDate2|Check =LOE | Check =SAT OR
=EXC OR =GOOD|
```

```
SHIP.DB | ShipName | PropType |
|_EG01 | Check|
```

```
EndQuery
```

```
myQuery1=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
OverallFinding |
| Check_EG01 | Check >=~examDate1, <=~examDate2|Check =LOE | Check =SAT OR
=UNS OR =GOOD OR =EXC|
```

```
SHIP.DB | ShipName | PropType |
|_EG01 | Check|
```

```
EndQuery
```

```
myQuery2=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
OverallFinding |
| Check_EG01 | Check >=~examDate1, <=~examDate2|Check =LOE | Check =UNS |
```

```
SHIP.DB | ShipName | PropType |
|_EG01 | Check|
```

```
EndQuery
else
```

```
myQuery=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
OverallFinding |
| Check_EG01 | Check >=~examDate1, <=~examDate2|Check =LOE | Check =SAT OR
=EXC OR =GOOD|
```

```
SHIP.DB | ShipName | PropType |
      |_EG01 | Check =~propType|
```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
OverallFinding |
      | Check _EG01 | Check >=~examDate1, <=~examDate2|Check =LOE | Check =SAT OR
=UNS OR =GOOD OR =EXC|
```

```
SHIP.DB | ShipName | PropType |
      |_EG01 | Check =~propType|
```

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
OverallFinding |
      | Check _EG01 | Check >=~examDate1, <=~examDate2|Check =LOE | Check =UNS |
```

```
SHIP.DB | ShipName | PropType |
      |_EG01 | Check =~propType|
```

EndQuery

endif

```
empty("OppeSum")
empty("OppeSum1")
empty("OppeSum2")
executeQBE(myQuery, "OppeSum.db")
executeQBE(myQuery1, "OppeSum1.db")
executeQBE(myQuery2, "OppeSum2.db")
tbl.attach("OppeSum")
tbl1.attach("OppeSum1")
numberOfSatsOppe=tbl.cCount("OverallFinding")
msgInfo("LOE","The total number of sats are "
      +strVal(NumberOfSatsOppe))
TotalNumberOfOppe=tbl1.cCount("OverallFinding")
if TotalNumberOfOppe <> 0 then
  msgInfo("LOE","The total number is "
        +strVal(totalNumberOfOppe))
  SatPercentageOppe=(numberOfSatsOppe/totalNumberOfOppe)*100
  msgInfo("LOE","The sat percentage is "
        +strVal(satPercentageOppe))
```

```

else
  msgStop("Problem","The total number of LOE's is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageOppe
tc("PropType")="LOE"
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box22.PM\_LIST\_SHIPS\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
  newView tableView
  choice string
endVar
choice="SAT"
choice.view("Enter SAT or UNS to view the list of ships")
switch
  case choice="SAT": newView.open("Program2")
  case choice="UNS": newView.open("Program3")
  otherwise:
    msgStop("Problem","The choices for Exam grade are SAT, or UNS only!")
    return
  endSwitch
endmethod

```

Object : #Page2.#Box22.OP\_LIST\_SHIPS\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
  newView tableView
  choice string
endVar
choice="SAT"
choice.view("Enter SAT or UNS to view the list of ships")
switch
  case choice="SAT": newView.open("opSum")
  case choice="UNS": newView.open("opSum2")
  otherwise:
    msgStop("Problem","The choices for Exam grade are SAT, or UNS only!")
    return
  endSwitch
endmethod

```

Object : #Page2.#Box22.OPPE\_LIST\_SHIPS\_BUTTON

MethodName : pushButton

```
Source : method pushButton(var eventInfo Event)
var
  newView tableView
  choice string
endVar
choice="SAT"
choice.view("Enter SAT or UNS to view the list of ships")
switch
  case choice="SAT": newView.open("oppeSum")
  case choice="UNS": newView.open("oppeSum2")
  otherwise:
    msgStop("Problem","The choices for Exam grade are SAT, or UNS only!")
  return
endSwitch
endmethod
```

Object : #Page2.#Box22.PM\_PERCENT\_BUTTON

MethodName : pushButton

```
Source : method pushButton(var eventInfo Event)
var
  tc tCursor
  tbl table
  tbl1 table
  numberOfSatsProgramGrades Number
  totalNumberOfProgramGrades Number
  satPercentageProgramGrades Number
  myQuery Query
  myQuery1 Query
  myQuery2 Query
  examDate1 Date
  examDate2 Date
  propType String
  examType String
endVar

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
  case propType="GT":
  case propType="STM":
  case propType="DSL":
  case propType="ALL":
```

```

otherwise:
  msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
  return
endSwitch
examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
  msgStop("Problem","The choices for Propulsion Type are OPPE, REOPPE, LOE, or RELOE only!")
  return
endSwitch

if propType="ALL" then
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

SHIP.DB | ShipName   | PropType      |
      | _EG02, _EG01 | Check|

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate
|ProgramManageGrade      |
      | Check_EG02        | Check >=~examDate1, <=~examDate2| Check =EXC OR =GOOD OR
=SAT|

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

SHIP.DB | ShipName   | PropType      |
      | _EG02, _EG01 | Check|

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate
|ProgramManageGrade      |
      | Check_EG02        | Check >=~examDate1, <=~examDate2| Check =EXC OR =GOOD OR
=SAT OR =UNS|

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

SHIP.DB | ShipName  |PropType      |
      | _EG02, _EG01 |Check |

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate
|ProgramManageGrade|
      | Check _EG02          | Check >=~examDate1, <=~examDate2|Check =UNS      |

```

```

EndQuery
else

```

```

myQuery=Query

```

```

ANSWER: :PRIV:ANSWER.DB

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

SHIP.DB | ShipName  |PropType      |
      | _EG02, _EG01 |Check =~propType|

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate
|ProgramManageGrade|
      | Check _EG02          | Check >=~examDate1, <=~examDate2| Check =EXC OR =GOOD OR
=SAT|

```

```

EndQuery

```

```

myQuery1=Query

```

```

ANSWER: :PRIV:ANSWER.DB

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

SHIP.DB | ShipName  |PropType      |
      | _EG02, _EG01 |Check =~propType|

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate
|ProgramManageGrade|
      | Check _EG02          | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT OR =UNS|

```

```

EndQuery

```

```

myQuery2=Query

```

```

ANSWER: :PRIV:ANSWER.DB

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

SHIP.DB | ShipName  | PropType  |
      | _EG02, _EG01 | Check =~propType|

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate
|ProgramManageGrade|
      | Check _EG02                | Check >=~examDate1, <=~examDate2|Check =UNS      |

```

```

EndQuery
endif

```

```

empty("Program1")
empty("Program2")
empty("Program3")
executeQBE(myQuery, "Program2.db")
executeQBE(myQuery1, "Program1.db")
executeQBE(myQuery2, "Program3.db")
tbl.attach("Program2")
tbl1.attach("Program1")
numberOfSatsProgramGrades=tbl.cCount("ProgramManageGrade")
msgInfo("Program Management","The total number of sats are "
      +strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("ProgramManageGrade")
if totalNumberOfProgramGrades <> 0 then
  msgInfo("Program Management","The total number of grades are "
      +strVal(totalNumberOfProgramGrades))
  SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
  msgInfo("Program Management","The sat percentage is "
      +strVal(satPercentageProgramGrades))
else
  msgStop("Problem","The total number of programGrades is 0, you cannot divide by 0!")
  return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc.("Percentage")=SatPercentageProgramGrades
tc.("PropType")="PGM"
tc.("examDate1")=examDate1
tc.("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box22.TRAIN\_LIST\_SHIPS\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
choice string

```

endVar
choice="SAT"
choice.view("Enter SAT or UNS to view the list of ships")
switch
case choice="SAT": newView.open("train")
case choice="UNS": newView.open("train2")
otherwise:
msgStop("Problem","The choices for Exam grade are SAT, or UNS only!")
return
endSwitch
endmethod

```

Object : #Page2.#Box22.TRAINING\_PERCENT\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
tc tCursor
tbl table
tbl1 table
numberOfSatsTrainGrades Number
totalNumberOfTrainGrades Number
satPercentageTrainGrades Number
myQuery Query
myQuery1 Query
myQuery2 Query
examDate1 Date
examDate2 Date
PropType String
ExamType String
endVar

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (I.E. 01/01/95)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
return
endSwitch
examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":

```



```

case examType="LOE":
case examType="RELOE":
otherwise:
  msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
  return
endSwitch

```

```

if propType="ALL" then
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
      | _EG01 | Check =~examType|

```

```

SHIP.DB | ShipName | PropType |
      | _EG02, _EG01 | Check |

```

```

TRAINING.DB | Trainin_Ship_ShipName_FK7 | TrainingID_ExamEndDate |
      | Check _EG02 | Check >=~examDate1, <=~examDate2|

```

```

TRAINING.DB | TrainingProgramGrade |
      | Check =SAT OR =GOOD OR =EXC|

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
      | _EG01 | Check =~examType|

```

```

SHIP.DB | ShipName | PropType |
      | _EG02, _EG01 | Check |

```

```

TRAINING.DB | Trainin_Ship_ShipName_FK7 | TrainingID_ExamEndDate |
      | Check _EG02 | Check >=~examDate1, <=~examDate2|

```

```

TRAINING.DB | TrainingProgramGrade |
      | Check |

```

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
      | _EG01 | Check =~examType|

```

SHIP.DB | ShipName | PropType |  
| \_EG02, \_EG01 | Check |

TRAINING.DB | Trainin\_Ship\_ShipName\_FK7 | TrainingID\_ExamEndDate |  
| Check \_EG02 | Check >=~examDate1, <=~examDate2|

TRAINING.DB | TrainingProgramGrade |  
| Check =UNS |

EndQuery  
else

myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
| \_EG01 | Check =~examType|

SHIP.DB | ShipName | PropType |  
| \_EG02, \_EG01 | Check =~propType |

TRAINING.DB | Trainin\_Ship\_ShipName\_FK7 | TrainingID\_ExamEndDate |  
| Check \_EG02 | Check >=~examDate1, <=~examDate2|

TRAINING.DB | TrainingProgramGrade |  
| Check =SAT OR =GOOD OR =EXC|

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
| \_EG01 | Check =~examType |

SHIP.DB | ShipName | PropType |  
| \_EG02, \_EG01 | Check =~propType|

TRAINING.DB | Trainin\_Ship\_ShipName\_FK7 | TrainingID\_ExamEndDate |  
| Check \_EG02 | Check >=~examDate1, <=~examDate2|

TRAINING.DB | TrainingProgramGrade |  
| Check |

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType |

SHIP.DB | ShipName | PropType |  
|\_EG02,\_EG01 | Check =~propType|

TRAINING.DB | Trainin\_Ship\_ShipName\_FK7 | TrainingID\_ExamEndDate |  
| Check \_EG02 | Check >=~examDate1, <=~examDate2|

TRAINING.DB | TrainingProgramGrade |  
| Check =UNS |

EndQuery  
endif

```
empty("Train")
empty("Train1")
empty("Train2")
executeQBE(myQuery, "Train.db")
executeQBE(myQuery1, "Train1.db")
executeQBE(myQuery2, "Train2.db")
tbl.attach("Train")
tbl1.attach("Train1")
numberOfSatsTrainGrades=tbl.cCount("TrainingProgramGrade")
msgInfo("Training Program","The total number of sats are "
+strVal(NumberOfSatsTrainGrades))
TotalNumberOfTrainGrades=tbl1.cCount("TrainingProgramGrade")
if totalNumberOfTrainGrades <> 0 then
    msgInfo("Training Program","The total number of grades are "
+strVal(totalNumberOfTrainGrades))
    SatPercentageTrainGrades=(numberOfSatsTrainGrades/totalNumberOfTrainGrades)*100
    msgInfo("Training program","The sat percentage of is "
+strVal(satPercentageTrainGrades))
else
    msgStop("Problem","The total number of training grades is 0, you cannot divide by 0!")
    return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageTrainGrades
tc("PropType")="TRAIN"
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod
```

Object : #Page2.#Box22.MATERIAL\_LIST\_SHIP\_BUTTON

MethodName : pushButton

Source :       method pushButton(var eventInfo Event)  
                   var  
                   newView tableView  
                   choice string  
                   endVar  
                   choice="SAT"  
                   choice.view("Enter SAT or UNS to view the list of ships")  
                   switch  
                   case choice="SAT": newView.open("Mat2")  
                   case choice="UNS": newView.open("Mat3")  
                   otherwise:  
                   msgStop("Problem","The choices for Exam grade are SAT, or UNS only!")  
                   return  
                   endSwitch  
                   endmethod

Object :       #Page2.#Box22.MATERIAL\_PERCENT\_BUTTON

MethodName :   pushButton

Source :       method pushButton(var eventInfo Event)  
                   var  
                   tc tCursor  
                   tbl table  
                   tbl1 table  
                   numberOfSatsMatGrades Number  
                   totalNumberOfMatGrades Number  
                   satPercentageMatGrades Number  
                   myQuery Query  
                   myQuery1 Query  
                   myQuery2 Query  
                   examDate1 Date  
                   examDate2 Date  
                   PropType String  
                   examType String  
                   endVar  
  
                   doDefault  
                   examDate1=date("01/01/00")  
                   examDate2=date("12/31/99")  
                   propType="GT"  
                   examType="OPPE"  
                   examDate1.view("Enter start date (I.E. 01/01/95)")  
                   examDate2.view("Enter stop date (I.E. 01/01/95)")  
                   propType.view("Enter prop type (GT/STM/DSL)")  
                   switch  
                   case propType="GT":  
                   case propType="STM":  
                   case propType="DSL":  
                   case propType="ALL":  
                   otherwise:  
                   msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")  
                   return  
                   endSwitch

```

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
return
endSwitch

```

```

if propType="ALL" then
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      |_EG01          | Check =~examType|

MATERIAL.DB | MatID_Ship_ShipName_FK4 | MatID_ExamEndDate      |MaterialGrade |
      | Check _EG02, _EG01    | Check >=~examDate1, <=~examDate2|Check =SAT OR =EXC OR
=GOOD|

SHIP.DB | ShipName | PropType      |
      |_EG02      | Check |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      |_EG01          | Check =~examType|

MATERIAL.DB | MatID_Ship_ShipName_FK4 | MatID_ExamEndDate      |MaterialGrade
|
      | Check _EG02, _EG01    | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=EXC OR =GOOD|

SHIP.DB | ShipName | PropType      |
      |_EG02      | Check |

```

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      |_EG01          | Check =~examType|

MATERIAL.DB | MatID_Ship_ShipName_FK4 | MatID_ExamEndDate      |MaterialGrade|

```

```

        | Check _EG02, _EG01 | Check >=~examDate1, <=~examDate2|Check =UNS |

SHIP.DB | ShipName | PropType |
        | _EG02 | Check |

EndQuery

else
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
        | _EG01 | Check =~examType|

MATERIAL.DB | MatID_Ship_ShipName_FK4 | MatID_ExamEndDate |MaterialGrade |
        | Check _EG02, _EG01 | Check >=~examDate1, <=~examDate2|Check =SAT OR =EXC OR
=GOOD|

SHIP.DB | ShipName | PropType |
        | _EG02 | Check =~propType|

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
        | _EG01 | Check =~examType|

MATERIAL.DB | MatID_Ship_ShipName_FK4 | MatID_ExamEndDate |MaterialGrade |
        | Check _EG02, _EG01 | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=EXC OR =GOOD|

SHIP.DB | ShipName | PropType |
        | _EG02 | Check =~propType|

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
        | _EG01 | Check =~examType|

MATERIAL.DB | MatID_Ship_ShipName_FK4 | MatID_ExamEndDate |MaterialGrade |
        | Check _EG02, _EG01 | Check >=~examDate1, <=~examDate2|Check =UNS |

SHIP.DB | ShipName | PropType |

```

|\_EG02 | Check =~propType|

EndQuery  
endif

```
empty("Mat2.db")
empty("Mat1.db")
empty("Mat3.db")
executeQBE(myQuery, "Mat2.db")
executeQBE(myQuery1, "Mat1.db")
executeQBE(myQuery2, "Mat3.db")
tbl.attach("Mat2")
tbl1.attach("Mat1")
numberOfSatsMatGrades=tbl.cCount("MaterialGrade")
msgInfo("Material","The total number of sats are "
+strVal(NumberOfSatsMatGrades))
TotalNumberOfMatGrades=tbl1.cCount("MaterialGrade")
if totalNumberOfMatGrades <> 0 then
msgInfo("Material","The total number of grades are "
+strVal(totalNumberOfMatGrades))
SatPercentageMatGrades=(numberOfSatsMatGrades/totalNumberOfMatGrades)*100
msgInfo("Material","The sat percentage of is "
+strVal(satPercentageMatGrades))
else
msgStop("Problem","The total number of material grades is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageMatGrades
tc("PropType")="MAT"
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod
```

Object : #Page2.#Box22.FIREFIGHT\_PERCENT\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
tc tCursor  
tbl table  
tbl1 table  
numberOfSatsFireGrades Number  
totalNumberOfFireGrades Number  
satPercentageFireGrades Number  
myQuery Query  
myQuery1 Query  
myQuery2 Query  
examDate1 Date

```

examDate2 Date
PropType String
examType String
endVar

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
  msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
  return
endSwitch
examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
  msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
  return
endSwitch

if propType="ALL" then
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
      |_EG01 | Check =~examType |

SHIP.DB | ShipName | PropType |
      |_EG03,_EG01 | Check |

FIREFIGH.DB | FireFig_Ship_ShipName_FK5 | FireFighting|_ExamEndDate |
      | Check _EG03 | Check >=~examDate1, <=~examDate2|

FIREFIGH.DB | FireFightingGrade |
      | Check =SAT OR =EXC OR =GOOD|

EndQuery

myQuery1=Query

```



ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType |

SHIP.DB | ShipName | PropType |  
|\_EG03,\_EG01 | Check |

FIREFIGH.DB | FireFig\_Ship\_ShipName\_FK5 | FireFightingI\_ExamEndDate |  
| Check \_EG03 | Check >=~examDate1, <=~examDate2|

FIREFIGH.DB | FireFightingGrade |  
| Check =SAT OR =UNS OR =EXC OR =GOOD|

EndQuery  
myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType |

SHIP.DB | ShipName | PropType |  
|\_EG03,\_EG01 | Check |

FIREFIGH.DB | FireFig\_Ship\_ShipName\_FK5 | FireFightingI\_ExamEndDate |  
| Check \_EG03 | Check >=~examDate1, <=~examDate2|

FIREFIGH.DB | FireFightingGrade |  
| Check =UNS|

EndQuery

else  
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType |

SHIP.DB | ShipName | PropType |  
|\_EG03,\_EG01 | Check =~propType |

FIREFIGH.DB | FireFig\_Ship\_ShipName\_FK5 | FireFightingI\_ExamEndDate |  
| Check \_EG03 | Check >=~examDate1, <=~examDate2|

FIREFIGH.DB | FireFightingGrade |  
| Check =SAT OR =EXC OR =GOOD|

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
| \_EG01 | Check =~examType |

SHIP.DB | ShipName | PropType |  
| \_EG03, \_EG01 | Check =~propType |

FIREFIGH.DB | FireFig\_Ship\_ShipName\_FK5 | FireFightingI\_ExamEndDate |  
| Check \_EG03 | Check >=~examDate1, <=~examDate2|

FIREFIGH.DB | FireFightingGrade |  
| Check =SAT OR =UNS OR =EXC OR =GOOD|

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
| \_EG01 | Check =~examType |

SHIP.DB | ShipName | PropType |  
| \_EG03, \_EG01 | Check =~propType |

FIREFIGH.DB | FireFig\_Ship\_ShipName\_FK5 | FireFightingI\_ExamEndDate |  
| Check \_EG03 | Check >=~examDate1, <=~examDate2|

FIREFIGH.DB | FireFightingGrade |  
| Check =UNS|

EndQuery

endif

empty("Fire1")

empty("Fire2")

empty("Fire3")

executeQBE(myQuery, "Fire1.db")

executeQBE(myQuery1, "Fire2.db")

executeQBE(myQuery2, "Fire3.db")

tbl.attach("Fire1")

tbl1.attach("Fire2")

numberOfSatsFireGrades=tbl.cCount("FireFightingGrade")

msgInfo("Fire Fighting","The total number of sats are "

+strVal(NumberOfSatsFireGrades))

TotalNumberOfFireGrades=tbl1.cCount("FireFightingGrade")

if TotalNumberOfFireGrades <> 0 then

msgInfo("Fire Fighting","The total number of grades are "

+strVal(totalNumberOfFireGrades))

SatPercentageFireGrades=(numberOfSatsFireGrades/totalNumberOfFireGrades)\*100

msgInfo("Fire Fighting","The sat percentage is "

```

        +strVal(satPercentageFireGrades))
    else
        msgStop("Problem","The total number of fire fighting grades is 0, you cannot divide by 0!")
        return
    endif
    tc.open("percent")
    TC.edit()
    tc.insertRecord()
    tc.("Percentage")=SatPercentageFireGrades
    tc.("PropType")="F/F"
    tc.("examDate1")=examDate1
    tc.("examDate2")=examDate1
    tc.endEdit()
endmethod

```

Object : #Page2.#Box22.FF\_LIST\_SHIPS\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
    newView tableView
    choice string
endVar
choice="SAT"
choice.view("Enter SAT or UNS to view the list of ships")
switch
    case choice="SAT": newView.open("fire1")
    case choice="UNS": newView.open("fire3")
    otherwise:
        msgStop("Problem","The choices for Exam grade are SAT, or UNS only!")
        return
    endSwitch
endmethod

```

Object : #Page2.#Box22.OPERATION\_PERCENT\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
    tc tCursor
    tbl table
    tbl1 table
    numberOfSatsOperationGrades Number
    totalNumberOfOperationGrades Number
    satPercentageOperationGrades Number
    myQuery Query
    myQuery1 Query
    myQuery2 Query
    examDate1 Date
    examDate2 Date
    PropType String
endVar

```

```

examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
doDefault
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
return
endSwitch

```

```

if propType="ALL" then
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
      | _EG01 | Check =OPPE |

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate |
      | Check _EG02, _EG01 | Check >=~examDate1, <=~examDate2|

OPERATIO.DB | OperationGrade |
      | Check =SAT OR =GOOD OR =EXC|

SHIP.DB | ShipName | PropType |
      | _EG02 | Check |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
      | _EG01 | Check =OPPE |

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate |
      | Check _EG02, _EG01 | Check >=~examDate1, <=~examDate2|

OPERATIO.DB | OperationGrade |
      | Check |

SHIP.DB | ShipName | PropType |
      | _EG02 | Check |

```

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =OPPE |

OPERATIO.DB | Operati\_Ship\_ShipName\_FK3 | OperationID\_ExamEndDate |  
| Check \_EG02, \_EG01 | Check >=~examDate1, <=~examDate2|

OPERATIO.DB | OperationGrade |  
| Check =UNS |

SHIP.DB | ShipName | PropType |  
|\_EG02 | Check |

EndQuery

else

myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =OPPE |

OPERATIO.DB | Operati\_Ship\_ShipName\_FK3 | OperationID\_ExamEndDate |  
| Check \_EG02, \_EG01 | Check >=~examDate1, <=~examDate2|

OPERATIO.DB | OperationGrade |  
| Check =SAT OR =GOOD OR =EXC|

SHIP.DB | ShipName | PropType |  
|\_EG02 | Check =~propType|

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =OPPE |

OPERATIO.DB | Operati\_Ship\_ShipName\_FK3 | OperationID\_ExamEndDate |  
| Check \_EG02, \_EG01 | Check >=~examDate1, <=~examDate2|

OPERATIO.DB | OperationGrade |  
| Check |

SHIP.DB | ShipName | PropType |

```

|_EG02 | Check =~propType|

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
|_EG01 | Check =OPPE |

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate |
| Check _EG02, _EG01 | Check >=~examDate1, <=~examDate2|

OPERATIO.DB | OperationGrade |
| Check =UNS |

SHIP.DB | ShipName | PropType |
|_EG02 | Check =~propType|

EndQuery
endif

empty("OpSum")
empty("OpSum1")
empty("OpSum2")
executeQBE(myQuery, "OpSum.db")
executeQBE(myQuery1, "OpSum1.db")
executeQBE(myQuery2, "OpSum2.db")
tbl.attach("OpSum")
tbl1.attach("OpSum1")
numberOfSatsOperationGrades=tbl.cCount("OperationGrade")
msgInfo("Operations","The total number of sats are "
+strVal(NumberOfSatsOperationGrades))
TotalNumberOfOperationGrades=tbl1.cCount("OperationGrade")
if TotalNumberOfOperationGrades <> 0 then
msgInfo("Operations","The total number grades are "
+strVal(totalNumberOfOperationGrades))

SatPercentageOperationGrades=(numberOfSatsOperationGrades/totalNumberOfOperationGrades)*100
msgInfo("Operations","The sat percentage is "
+strVal(satPercentageOperationGrades))
else
msgStop("Problem","The total number of operation grades is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageOperationGrades
tc("PropType")="OPS"
tc("examDate1")=examDate1
tc("examDate2")=examDate2

```

```
tc.endEdit()
endmethod
```

Object : #Page2.#Box22.OPPE\_PERCENTAGE\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```
var
tc tCursor
tbl table
tbl1 table
numberOfSatsOppe Number
totalNumberOfOppe Number
satPercentageOppe Number
myQuery Query
myQuery1 Query
myQuery2 Query
examDate1 Date
examDate2 Date
propType String
examType String
endVar
doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
return
endSwitch

if propType="ALL" then
myQuery=Query
```

ANSWER: :PRIV:ANSWER.DB

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
OverallFinding |
| Check_EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE | Check =SAT OR
=EXC OR =GOOD|
```

```
SHIP.DB | ShipName | PropType |
|_EG01 | Check |
```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamID\_ExamEndDate | ExamType |  
OverallFinding |  
| Check\_EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE | Check =SAT OR  
=UNS OR =GOOD OR =EXC|

SHIP.DB | ShipName | PropType |  
|\_EG01 | Check |

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamID\_ExamEndDate | ExamType |  
OverallFinding |  
| Check\_EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE | Check =UNS |

SHIP.DB | ShipName | PropType |  
|\_EG01 | Check |

EndQuery

else

myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamID\_ExamEndDate | ExamType |  
OverallFinding |  
| Check\_EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE | Check =SAT OR  
=EXC OR =GOOD|

SHIP.DB | ShipName | PropType |  
|\_EG01 | Check =~propType|

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamID\_ExamEndDate | ExamType |  
OverallFinding |  
| Check\_EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE | Check =SAT OR  
=UNS OR =GOOD OR =EXC|



```
SHIP.DB | ShipName | PropType |
      |_EG01 | Check =~propType|
```

EndQuery

myQuery2=Query

ANSWER: :PRIV:ANSWER.DB

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
OverallFinding |
      | Check _EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE | Check =UNS |
```

```
SHIP.DB | ShipName | PropType |
      |_EG01 | Check =~propType|
```

EndQuery

endif

```
empty("OppeSum")
empty("OppeSum1")
empty("OppeSum2")
executeQBE(myQuery, "OppeSum.db")
executeQBE(myQuery1, "OppeSum1.db")
executeQBE(myQuery2, "OppeSum2.db")
tbl.attach("OppeSum")
tbl1.attach("OppeSum1")
numberOfSatsOppe=tbl.cCount("OverallFinding")
msgInfo("OPPE","The total number of sats are "
      +strVal(NumberOfSatsOppe))
TotalNumberOfOppe=tbl1.cCount("OverallFinding")
if TotalNumberOfOppe <> 0 then
  msgInfo("OPPE","The total number is "
      +strVal(totalNumberOfOppe))
  SatPercentageOppe=(numberOfSatsOppe/totalNumberOfOppe)*100
  msgInfo("OPPE","The sat percentage is "
      +strVal(satPercentageOppe))
else
  msgStop("Problem","The total number of OPPE's is 0, you cannot divide by 0!")
  return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageOppe
tc("PropType")="OPPE"
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod
```

Object : PROGRAM\_STATS\_QUERY

MethodName : Const

Source : Const  
ViewProgram1=301  
ViewProgram2=302  
ViewProgram3=303  
ViewProgram4=304  
ViewProgram5=305  
ViewProgram6=306  
ViewProgram7=307  
ViewProgram8=308  
ViewProgram9=309  
ViewProgram10=310  
ViewProgram11=311  
ViewProgram12=312  
ViewProgram13=313  
ViewProgram14=314  
PrintProgram1=315  
PrintProgram2=316  
PrintProgram3=317  
PrintProgram4=318  
PrintProgram5=319  
PrintProgram6=320  
PrintProgram7=321  
PrintProgram8=322  
PrintProgram9=323  
PrintProgram10=324  
PrintProgram11=325  
PrintProgram12=326  
PrintProgram13=327  
PrintProgram14=328  
PrintProgram15=329  
endConst

Object : PROGRAM\_STATS\_QUERY

MethodName : arrive

Source : method arrive(var eventInfo MoveEvent)  
var  
tc Tcursor  
examMenu, View, Print, ReportMenu Menu  
PrintPop PopUpMenu  
ViewPop PopUpMenu  
ViewProgramPop PopUpMenu  
PrintProgramPop PopUpMenu  
examtype PopupMenu  
endVar  
if eventInfo.isPreFilter()  
then  
; This code executes for each object on the form.

else

; This code executes only for the form.

```
PrintPop.addText("&Bearing &Records", "", PrintProgram1)
PrintPop.addText("&BWFW", "", PrintProgram2)
PrintPop.addText("&DETA", "", PrintProgram3)
PrintPop.addText("&D&JWTT", "", PrintProgram4)
PrintPop.addText("&Electrical Safety", "", PrintProgram5)
PrintPop.addText("&FOQM", "", PrintProgram6)
PrintPop.addText("&Hearing Conservation", "", PrintProgram7)
PrintPop.addText("&Le&gal Records", "", PrintProgram8)
PrintPop.addText("&LOQM", "", PrintProgram9)
PrintPop.addText("&MGTESR", "", PrintProgram10)
PrintPop.addText("&OLV", "", PrintProgram11)
PrintPop.addText("&O&perating Logs", "", PrintProgram12)
PrintPop.addText("&QA", "", PrintProgram13)
PrintPop.addText("&Tag Out", "", PrintProgram14)
PrintPop.addText("&Graph", "", PrintProgram15)
```

```
ViewPop.addText("&Bearing &Records", "", ViewProgram1)
ViewPop.addText("&BWFW", "", ViewProgram2)
ViewPop.addText("&DETA", "", ViewProgram3)
ViewPop.addText("&D&JWTT", "", ViewProgram4)
ViewPop.addText("&Electrical Safety", "", ViewProgram5)
ViewPop.addText("&FOQM", "", ViewProgram6)
ViewPop.addText("&Hearing Conservation", "", ViewProgram7)
ViewPop.addText("&Le&gal Records", "", ViewProgram8)
ViewPop.addText("&LOQM", "", ViewProgram9)
ViewPop.addText("&MGTESR", "", ViewProgram10)
ViewPop.addText("&OLV", "", ViewProgram11)
ViewPop.addText("&O&perating Logs", "", ViewProgram12)
ViewPop.addText("&QA", "", ViewProgram13)
ViewPop.addText("&Tag Out", "", ViewProgram14)
```

```
examMenu.addPopUp("&View", ViewPop)
examMenu.addPopUP("&Print", PrintPop)
examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
tc.open("percent")
tc.edit()
tc.empty()
tc.endEdit()
endif
endmethod
```

Object : PROGRAM\_STATS\_QUERY

MethodName : menuAction

Source : method menuAction(var eventInfo MenuEvent)  
var

```

myRep Report
reply String
choiceId SmallInt
m menu
endVar
choiceId=eventInfo.id()

if eventInfo.isPreFilter()
    then
        ; This code executes for each object on the form.

    else
        ; This code executes only for the form.

Switch
    case eventInfo.menuChoice() = "&Help":
    case eventInfo.menuChoice() = "&Quit":
        reply=msgQuestion("Quit", "Are you sure you want to leave this form?")
        If reply = "Yes" then
            close()
        else
            return
        endif
endSwitch
Switch
    case choiceId =ViewProgram1:
        myRep.open("Bearing")
        hideSpeedBar()
        m.addText("")
        m.show()
    case choiceId =ViewProgram2:
        myRep.open("BFWF")
        hideSpeedBar()
        m.addText("")
        m.show()
    case choiceId =ViewProgram3:
        myRep.open("DETA")
        hideSpeedBar()
        m.addText("")
        m.show()
    case choiceId =ViewProgram4:
        myRep.open("DJWTT")
        hideSpeedBar()
        m.addText("")
        m.show()
    case choiceId =ViewProgram5:
        myRep.open("Electric")
        hideSpeedBar()
        m.addText("")
        m.show()
    case choiceId =ViewProgram6:
        myRep.open("FOQM")
        hideSpeedBar()
        m.addText("")
        m.show()

```

```

case choiceld =ViewProgram7:
    myRep.open("Hearing")
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =ViewProgram8:
    myRep.open("LegalRec")
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =ViewProgram9:
    myRep.open("LOQM")
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =ViewProgram10:
    myRep.open("MGTESR")
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =ViewProgram11:
    myRep.open("OLV")
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =ViewProgram12:
    myRep.open("OPLOGS")
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =ViewProgram13:
    myRep.open("QA")
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =ViewProgram14:
    myRep.open("TagOut")
    hideSpeedBar()
    m.addText("")
    m.show()
case choiceld =PrintProgram1:
    myRep.print("Bearing")
case choiceld =PrintProgram2:
    myRep.print("BWFW")
case choiceld =PrintProgram3:
    myRep.print("DETA")
case choiceld =PrintProgram4:
    myRep.print("DJWTT")
case choiceld =PrintProgram5:
    myRep.print("Electric")
case choiceld =PrintProgram6:
    myRep.print("FOQM")
case choiceld =PrintProgram7:
    myRep.print("Hearing")
case choiceld =PrintProgram8:

```

```

        myRep.print("LegalRec")
    case choiceld =PrintProgram9:
        myRep.print("LOQM")
    case choiceld =PrintProgram10:
        myRep.print("MGTESR")
    case choiceld =PrintProgram11:
        myRep.print("OLV")
    case choiceld =PrintProgram12:
        myRep.print("OPLOGS")
    case choiceld =PrintProgram13:
        myRep.print("QA")
    case choiceld =PrintProgram14:
        myRep.print("TagOut")
    case choiceld =PrintProgram15:
        myRep.print("ProgStat")
endSwitch
endif
endmethod

```

Object : #Page2

MethodName : setFocus

Source : method setFocus(var eventInfo Event)

```

var
    examMenu, View, Print, ReportMenu Menu
    PrintPop PopUpMenu
    ViewPop PopUpMenu
    ViewProgramPop PopUpMenu
    PrintProgramPop PopUpMenu
    examtype PopUpMenu
endVar

PrintPop.addText("Bearing &Records","",PrintProgram1)
PrintPop.addText("&BFWF","",PrintProgram2)
PrintPop.addText("&DETA","",PrintProgram3)
PrintPop.addText("D&JWTT","",PrintProgram4)
PrintPop.addText("&Electrical Safety","",PrintProgram5)
PrintPop.addText("&FOQM","",PrintProgram6)
PrintPop.addText("&Hearing Conservation","",PrintProgram7)
PrintPop.addText("Le&gal Records","",PrintProgram8)
PrintPop.addText("&LOQM","",PrintProgram9)
PrintPop.addText("&MGTESR","",PrintProgram10)
PrintPop.addText("&OLV","",PrintProgram11)
PrintPop.addText("O&perating Logs","",PrintProgram12)
PrintPop.addText("&QA","",PrintProgram13)
PrintPop.addText("&Tag Out","",PrintProgram14)
PrintPop.addText("&Graph","",PrintProgram15)

ViewPop.addText("Bearing &Records","",ViewProgram1)
ViewPop.addText("&BFWF","",ViewProgram2)
ViewPop.addText("&DETA","",ViewProgram3)
ViewPop.addText("D&JWTT","",ViewProgram4)
ViewPop.addText("&Electrical Safety","",ViewProgram5)

```

```

ViewPop.addText("&FOQM","",ViewProgram6)
ViewPop.addText("&Hearing Conservation","",ViewProgram7)
ViewPop.addText("Le&gal Records","",ViewProgram8)
ViewPop.addText("&LOQM","",ViewProgram9)
ViewPop.addText("&MGTESR","",ViewProgram10)
ViewPop.addText("&OLV","",ViewProgram11)
ViewPop.addText("O&perating Logs","",ViewProgram12)
ViewPop.addText("&QA","",ViewProgram13)
ViewPop.addText("&Tag Out","",ViewProgram14)

```

```

examMenu.addPopUp("&View", ViewPop)
examMenu.addPopUP("&Print", PrintPop)
examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
endmethod

```

Object : #Page2.#Box3.RESET\_GRAPH\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
tc Tcursor
endVar
tc.open("percent")
tc.edit()
tc.empty()
tc.endEdit()
endmethod

```

Object : #Page2.#Box3.HEAT\_STRESS\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
tc tCursor
tbl table
tbl1 table
numberOfSatsProgramGrades Number
totalNumberOfProgramGrades Number
satPercentageProgramGrades Number
myQuery Query
myQuery1 Query
myQuery2 Query
examDate1 Date
examDate2 Date
PropType String
examType String
endVar

```

```

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
return
endSwitch

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
return
endSwitch

```

```

if propType="ALL" then
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

SHIP.DB | ShipName    |PropType      |
      | _EG02, _EG01 |Check |

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |HeatStress      |
      | Check _EG02                | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT|
EndQuery

```

```

myQuery1=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

SHIP.DB | ShipName    |PropType      |
      | _EG02, _EG01 |Check |

```



```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |HeatStress
|
| Check_EG02          | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT OR =UNS|
EndQuery

```

```

else
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
|_EG01          | Check =~examType|

```

```

SHIP.DB | ShipName   |PropType      |
|_EG02,_EG01 |Check =~propType|

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |HeatStress      |
| Check_EG02          | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT|
EndQuery

```

```

myQuery1=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
|_EG01          | Check =~examType|

```

```

SHIP.DB | ShipName   |PropType      |
|_EG02,_EG01 |Check =~propType|

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |HeatStress
|
| Check_EG02          | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT OR =UNS|
EndQuery
endif

```

```

empty("HEATSTRS")
empty("HEATSTR1")
executeQBE(myQuery, "HEATSTRS.db")
executeQBE(myQuery1, "HEATSTR1.db")
tbl.attach("HEATSTRS")
tbl1.attach("HEATSTR1")
numberOfSatsProgramGrades=tbl.cCount("HeatStress")
msgInfo("Heat Stress","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("HeatStress")
if totalNumberOfProgramGrades <> 0 then
msgInfo("HeatStress","The total number of grades are "
+strVal(totalNumberOfProgramGrades))
SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
msgInfo("Heat Stress","The sat percentage is "
+strVal(satPercentageProgramGrades))

```

```

else
    msgStop("Problem","The total number of Heat Stress grades is 0, you cannot divide by 0!")
    return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageProgramGrades
tc("PropType")="HEAT"
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box3.BEARING\_RECORDS\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
    tc tCursor
    tbl table
    tbl1 table
    numberOfSatsProgramGrades Number
    totalNumberOfProgramGrades Number
    satPercentageProgramGrades Number
    myQuery Query
    myQuery1 Query
    myQuery2 Query
    examDate1 Date
    examDate2 Date
    PropType String
    examType String
endVar

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
    msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL or ALL only!")
    return
endSwitch

```

```

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
return
endSwitch

if propType="ALL" then
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01          | Check =~examType|

SHIP.DB | ShipName      | PropType      |
      | _EG02, _EG01 | Check |

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | BearingRecsGrade
      | Check _EG02          | Check >=~examDate1, <=~examDate2| Check =EXC OR =GOOD OR
=SAT |

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01          | Check =~examType|

SHIP.DB | ShipName      | PropType      |
      | _EG02, _EG01 | Check |

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | BearingRecsGrade|
      | Check _EG02          | Check >=~examDate1, <=~examDate2| Check =SAT OR =UNS OR
=GOOD OR =EXC      |

EndQuery
else

myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01          | Check =~examType|

```

```
SHIP.DB | ShipName | PropType |
      | _EG02, _EG01 | Check = ~propType |
```

```
PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate | BearingRecsGrade |
      | Check _EG02 | Check >= ~examDate1, <= ~examDate2 | Check = EXC OR = GOOD OR
= SAT |
```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
      | _EG01 | Check = ~examType |
```

```
SHIP.DB | ShipName | PropType |
      | _EG02, _EG01 | Check = ~propType |
```

```
PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate | BearingRecsGrade |
      | Check _EG02 | Check >= ~examDate1, <= ~examDate2 | Check = SAT OR = UNS OR
= GOOD OR = EXC |
```

EndQuery

endif

```
empty("BEARREC")
empty("BEARREC1")
executeQBE(myQuery, "BEARREC.db")
executeQBE(myQuery1, "BEARREC1.db")
tbl.attach("BEARREC")
tbl1.attach("BEARREC1")
numberOfSatsProgramGrades=tbl.cCount("BearingRecsGrade")
msgInfo("Bearing Records", "The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("BearingRecsGrade")
if totalNumberOfProgramGrades <> 0 then
  msgInfo("Bearing Records", "The total number of grades are "
+strVal(totalNumberOfProgramGrades))
  SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
  msgInfo("Bearing Records", "The sat percentage is "
+strVal(satPercentageProgramGrades))
else
  msgStop("Problem", "The total number of Bearing Records Grades is 0, you cannot divide by 0!")
  return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageProgramGrades
tc("PropType")="BRG"
tc("examDate1")=examDate1
```

```

tc.("examDate2")=examDate2
tc.("propType1")=examType
tc.endEdit()
endmethod

```

Object : #Page2.#Box3.LEGAL\_RECORDS\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
tc tCursor
tbl table
tbl1 table
numberOfSatsProgramGrades Number
totalNumberOfProgramGrades Number
satPercentageProgramGrades Number
myQuery Query
myQuery1 Query
myQuery2 Query
examDate1 Date
examDate2 Date
PropType String
examType String
endVar

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
return
endSwitch

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
return
endSwitch

```

```
if propType="ALL" then
myQuery=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|
```

```
SHIP.DB | ShipName  |PropType      |
      | _EG02, _EG01 |Check |
```

```
PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |LegalRecsGrade
|
| Check _EG02                | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT |
```

```
EndQuery
```

```
myQuery1=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|
```

```
SHIP.DB | ShipName  |PropType      |
      | _EG02, _EG01 |Check |
```

```
PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |LegalRecsGrade |
| Check _EG02                | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=GOOD OR =EXC      |
```

```
EndQuery
```

```
else
myQuery=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|
```

```
SHIP.DB | ShipName  |PropType      |
      | _EG02, _EG01 |Check =~propType|
```

```
PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |LegalRecsGrade
|
| Check _EG02                | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT |
```

```
EndQuery
```

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType|

SHIP.DB | ShipName | PropType |  
|\_EG02, \_EG01 | Check =~propType|

PROGRAMM.DB | PM\_ID\_Ship\_ShipName\_FK6 | PM\_ID\_ExamEndDate | LegalRecsGrade |  
| Check \_EG02 | Check >=~examDate1, <=~examDate2| Check =SAT OR =UNS OR  
=GOOD OR =EXC |

EndQuery  
endif

empty("LEGALREC")  
empty("LGALREC1")  
executeQBE(myQuery, "LEGALREC.db")  
executeQBE(myQuery1, "LGALREC1.db")  
tbl.attach("LEGALREC")  
tbl1.attach("LGALREC1")  
numberOfSatsProgramGrades=tbl.cCount("LegalRecsGrade")  
msgInfo("Legal Records", "The total number of sats are "  
+strVal(NumberOfSatsProgramGrades))  
TotalNumberOfProgramGrades=tbl1.cCount("LegalRecsGrade")  
if totalNumberOfProgramGrades <> 0 then  
msgInfo("Legal Records", "The total number of grades are "  
+strVal(totalNumberOfProgramGrades))  
SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)\*100  
msgInfo("Legal Records", "The sat percentage is "  
+strVal(satPercentageProgramGrades))  
else  
msgStop("Problem", "The total number of Legal Records Grades is 0, you cannot divide by 0!")  
return  
endif  
tc.open("percent")  
TC.edit()  
tc.insertRecord()  
tc("Percentage")=SatPercentageProgramGrades  
tc("PropType")="LGL"  
tc("PropType1")=examType  
tc("examDate1")=examDate1  
tc("examDate2")=examDate2  
tc.endEdit()  
endmethod

Object : #Page2.#Box3.BWFW\_BUTTON

MethodName : pushButton

```

Source :      method pushButton(var eventInfo Event)
              var
              tc tCursor
              tbl table
              tbl1 table
              numberOfSatsProgramGrades Number
              totalNumberOfProgramGrades Number
              satPercentageProgramGrades Number
              myQuery Query
              myQuery1 Query
              myQuery2 Query
              examDate1 Date
              examDate2 Date
              PropType String
              examType String
              endVar

              doDefault
              examDate1=date("01/01/00")
              examDate2=date("12/31/99")
              propType="GT"
              examType="OPPE"
              examDate1.view("Enter start date (I.E. 01/01/95)")
              examDate2.view("Enter stop date (I.E. 01/01/95)")
              propType.view("Enter prop type (GT/STM/DSL)")
              switch
              case propType="GT":
              case propType="STM":
              case propType="DSL":
              case propType="ALL":
              otherwise:
              msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
              return
              endSwitch

              examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
              switch
              case examType="OPPE":
              case examType="REOPPE":
              case examType="LOE":
              case examType="RELOE":
              otherwise:
              msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
              return
              endSwitch

              if propType="ALL" then
              myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                      | Check =~examType|

```

```

SHIP.DB | ShipName | PropType |

```



```

|_EG02,_EG01|Check|
PROGRAMM.DB|PM_ID_Ship_ShipName_FK6|PM_ID_ExamEndDate|BFWF_Grade
|
|Check_EG02|Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT|

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB|ExamID_Ship_ShipName_FK2|ExamType|
|_EG01|Check =~examType|

```

```

SHIP.DB|ShipName|PropType|
|_EG02,_EG01|Check|

```

```

PROGRAMM.DB|PM_ID_Ship_ShipName_FK6|PM_ID_ExamEndDate|BFWF_Grade|
|Check_EG02|Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=GOOD OR =EXC|

```

EndQuery  
else

myQuery=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB|ExamID_Ship_ShipName_FK2|ExamType|
|_EG01|Check =~examType|

```

```

SHIP.DB|ShipName|PropType|
|_EG02,_EG01|Check =~propType|

```

```

PROGRAMM.DB|PM_ID_Ship_ShipName_FK6|PM_ID_ExamEndDate|BFWF_Grade
|
|Check_EG02|Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT|

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB|ExamID_Ship_ShipName_FK2|ExamType|
|_EG01|Check =~examType|

```

```

SHIP.DB|ShipName|PropType|
|_EG02,_EG01|Check =~propType|

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |BFWF Grade|
| Check_EG02          | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=GOOD OR =EXC|

```

```

EndQuery
endif

```

```

empty("BFWF")
empty("BFWF1")
executeQBE(myQuery, "BFWF.db")
executeQBE(myQuery1, "BFWF1.db")
tbl.attach("BFWF")
tbl1.attach("BFWF1")
numberOfSatsProgramGrades=tbl.cCount("BFWF_Grade")
msgInfo("BFWF","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("BFWF_Grade")
if totalNumberOfProgramGrades <> 0 then
msgInfo("BFWF","The total number of grades are "
+strVal(totalNumberOfProgramGrades))
SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
msgInfo("BFWF","The sat percentage is "
+strVal(satPercentageProgramGrades))
else
msgStop("Problem","The total number of BFWF Grades is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageProgramGrades
tc("PropType")="BFWF"
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box3.LOQM\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
tc tCursor
tbl table
tbl1 table
numberOfSatsProgramGrades Number
totalNumberOfProgramGrades Number
satPercentageProgramGrades Number
myQuery Query
myQuery1 Query

```

```

myQuery2 Query
examDate1 Date
examDate2 Date
PropType String
examType String
endVar

```

```

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
  msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
  return
endSwitch

```

```

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
  msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
  return
endSwitch

```

```

if propType="ALL" then
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

```

```

SHIP.DB | ShipName  | PropType      |
      | _EG02, _EG01 | Check |

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | LOQM_Grade
|
      | Check _EG02          | Check >=~examDate1, <=~examDate2| Check =EXC OR =GOOD OR
=SAT |

```

```

EndQuery

```

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType|

SHIP.DB | ShipName |PropType |  
|\_EG02,\_EG01 |Check |

PROGRAMM.DB | PM\_ID\_Ship\_ShipName\_FK6 | PM\_ID\_ExamEndDate |LOQM\_Grade |  
| Check \_EG02 | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR  
=GOOD OR =EXC|

EndQuery

else

myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType|

SHIP.DB | ShipName |PropType |  
|\_EG02,\_EG01 |Check =~propType|

PROGRAMM.DB | PM\_ID\_Ship\_ShipName\_FK6 | PM\_ID\_ExamEndDate |LOQM\_Grade  
|  
| Check \_EG02 | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR  
=SAT |

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType|

SHIP.DB | ShipName |PropType |  
|\_EG02,\_EG01 |Check =~propType|

PROGRAMM.DB | PM\_ID\_Ship\_ShipName\_FK6 | PM\_ID\_ExamEndDate |LOQM\_Grade |  
| Check \_EG02 | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR  
=GOOD OR =EXC|

EndQuery

endif

empty("LOQM")

```

empty("LOQM1")
executeQBE(myQuery, "LOQM.db")
executeQBE(myQuery1, "LOQM1.db")
tbl.attach("LOQM")
tbl1.attach("LOQM1")
numberOfSatsProgramGrades=tbl.cCount("LOQM_Grade")
msgInfo("LOQM","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("LOQM_Grade")
if totalNumberOfProgramGrades <> 0 then
    msgInfo("LOQM","The total number of grades are "
+strVal(totalNumberOfProgramGrades))
    SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
    msgInfo("LOQM","The sat percentage is "
+strVal(satPercentageProgramGrades))
else
    msgStop("Problem","The total number of LOQM Grades is 0, you cannot divide by 0!")
    return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageProgramGrades
tc("PropType")="LOQM"
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box3.DETA\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
    tc tCursor
    tbl table
    tbl1 table
    numberOfSatsProgramGrades Number
    totalNumberOfProgramGrades Number
    satPercentageProgramGrades Number
    myQuery Query
    myQuery1 Query
    myQuery2 Query
    examDate1 Date
    examDate2 Date
    PropType String
    examType String
endVar

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")

```

```

propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
  msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
  return
endSwitch

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
  msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
  return
endSwitch

```

```

if propType="ALL" then
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

```

```

SHIP.DB | ShipName | PropType      |
      | _EG02, _EG01 | Check |

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | DETA_Grade
|
| Check _EG02          | Check >=~examDate1, <=~examDate2| Check =EXC OR =GOOD OR
= SAT |

```

EndQuery

```

myQuery1=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

```

```

SHIP.DB | ShipName | PropType      |
      | _EG02, _EG01 | Check |

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate |DETA_Grade |
| Check_EG02 | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=GOOD OR =EXC |

```

EndQuery

```

else
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
|_EG01 | Check =~examType|

```

```

SHIP.DB | ShipName |PropType |
|_EG02,_EG01 |Check =~propType|

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate |DETA_Grade
|
| Check_EG02 | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
|_EG01 | Check =~examType|

```

```

SHIP.DB | ShipName |PropType |
|_EG02,_EG01 |Check =~propType|

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate |DETA_Grade |
| Check_EG02 | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=GOOD OR =EXC |

```

```

EndQuery
endif

```

```

empty("DETA")
empty("DETA1")
executeQBE(myQuery, "DETA.db")
executeQBE(myQuery1, "DETA1.db")
tbl.attach("DETA")
tbl1.attach("DETA1")
numberOfSatsProgramGrades=tbl.cCount("DETA_Grade")
msgInfo("DETA","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("DETA_Grade")
if totalNumberOfProgramGrades <> 0 then

```

```

msgInfo("DETA","The total number of grades are "
+strVal(totalNumberOfProgramGrades))
SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
msgInfo("DETA","The sat percentage is "
+strVal(satPercentageProgramGrades))
else
msgStop("Problem","The total number of DETA Grades is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageProgramGrades
tc("PropType")="DETA"
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box3.MGTESR\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
tc tCursor
tbl table
tbl1 table
numberOfSatsProgramGrades Number
totalNumberOfProgramGrades Number
satPercentageProgramGrades Number
myQuery Query
myQuery1 Query
myQuery2 Query
examDate1 Date
examDate2 Date
PropType String
examType String
endVar

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":

```



```

otherwise:
  msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, ALL only!")
  return
endSwitch

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
  msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
  return
endSwitch

if propType="ALL" then
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01          | Check =~examType|

SHIP.DB | ShipName      | PropType      |
      | _EG02, _EG01 | Check |

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |MGTESR_Grade
|
| Check _EG02          | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT |

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01          | Check =~examType|

SHIP.DB | ShipName      | PropType      |
      | _EG02, _EG01 | Check |

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |MGTESR_Grade|
| Check _EG02          | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=GOOD OR =EXC|

EndQuery

else
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType|

SHIP.DB | ShipName |PropType |  
|\_EG02,\_EG01 |Check =~propType|

PROGRAMM.DB | PM\_ID\_Ship\_ShipName\_FK6 | PM\_ID\_ExamEndDate |MGTESR\_Grade  
|  
| Check \_EG02 | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR  
=SAT |

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType|

SHIP.DB | ShipName |PropType |  
|\_EG02,\_EG01 |Check =~propType|

PROGRAMM.DB | PM\_ID\_Ship\_ShipName\_FK6 | PM\_ID\_ExamEndDate |MGTESR\_Grade|  
| Check \_EG02 | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR  
=GOOD OR =EXC|

EndQuery

endif

```
empty("MGTESR")
empty("MGTESR1")
executeQBE(myQuery, "MGTESR.db")
executeQBE(myQuery1, "MGTESR1.db")
tbl.attach("MGTESR")
tbl1.attach("MGTESR1")
numberOfSatsProgramGrades=tbl.cCount("MGTESR_Grade")
msgInfo("MGTESR","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("MGTESR_Grade")
if totalNumberOfProgramGrades <> 0 then
msgInfo("MGTESR","The total number of grades are "
+strVal(totalNumberOfProgramGrades))
SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
msgInfo("MGTESR","The sat percentage is "
+strVal(satPercentageProgramGrades))
else
msgStop("Problem","The total number of MGTESR Grades is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
```

```

TC.edit()
tc.insertRecord()
tc.("Percentage")=SatPercentageProgramGrades
tc.("PropType")="MGTESR"
tc.("PropType1")=examType
tc.("examDate1")=examDate1
tc.("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box3.HEARING\_CONSERVE\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
tc tCursor
tbl table
tbl1 table
numberOfSatsProgramGrades Number
totalNumberOfProgramGrades Number
satPercentageProgramGrades Number
myQuery Query
myQuery1 Query
myQuery2 Query
examDate1 Date
examDate2 Date
PropType String
examType String
endVar

```

```

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
msgStop("Problem", "The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
return
endSwitch

```

```

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":

```

```

case examType="RELOE":
otherwise:
msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
return
endSwitch

```

```

if propType="ALL" then
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01          | Check =~examType|

SHIP.DB | ShipName   | PropType      |
      | _EG02, _EG01 | Check |

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |HearingConsGrade
|
      | Check _EG02          | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT|
EndQuery

```

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01          | Check =~examType|

SHIP.DB | ShipName   | PropType      |
      | _EG02, _EG01 | Check |

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |HearingConsGrade
|
      | Check _EG02          | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT OR =UNS|
EndQuery

```

```

else
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01          | Check =~examType|

SHIP.DB | ShipName   | PropType      |
      | _EG02, _EG01 | Check =~propType|

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |HearingConsGrade
|
      | Check _EG02          | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT|
EndQuery

```

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType|

SHIP.DB | ShipName |PropType |  
|\_EG02,\_EG01 |Check =~propType|

PROGRAMM.DB | PM\_ID\_Ship\_ShipName\_FK6 | PM\_ID\_ExamEndDate |HearingConsGrade  
|  
| Check \_EG02 | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR  
=SAT OR =UNS|  
EndQuery  
endif

```
empty("HEARCON")
empty("HEARCON1")
executeQBE(myQuery, "HEARCON.db")
executeQBE(myQuery1, "HEARCON1.db")
tbl.attach("HEARCON")
tbl1.attach("HEARCON1")
numberOfSatsProgramGrades=tbl.cCount("HearingConsGrade")
msgInfo("Hearing Conservation","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("HearingConsGrade")
if totalNumberOfProgramGrades <> 0 then
msgInfo("Hearing Conservation","The total number of grades are "
+strVal(totalNumberOfProgramGrades))
SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
msgInfo("Hearing Conservation","The sat percentage is "
+strVal(satPercentageProgramGrades))
else
msgStop("Problem","The total number of Hearing Conservation grades is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageProgramGrades
tc("PropType")="HC"
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod
```

Object : #Page2.#Box3.TAGOUT\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
  tc tCursor
  tbl table
  tbl1 table
  numberOfSatsProgramGrades Number
  totalNumberOfProgramGrades Number
  satPercentageProgramGrades Number
  myQuery Query
  myQuery1 Query
  myQuery2 Query
  examDate1 Date
  examDate2 Date
  PropType String
  examType String
endVar

doDefault
  examDate1=date("01/01/00")
  examDate2=date("12/31/99")
  propType="GT"
  examType="OPPE"
  examDate1.view("Enter start date (I.E. 01/01/95)")
  examDate2.view("Enter stop date (I.E. 01/01/95)")
  propType.view("Enter prop type (GT/STM/DSL)")
  switch
    case propType="GT":
    case propType="STM":
    case propType="DSL":
    case propType="ALL":
    otherwise:
      msgStop("Problem","The choices for Propulsion Type are GT, STM, or DSL only!")
      return
  endSwitch

  examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
  switch
    case examType="OPPE":
    case examType="REOPPE":
    case examType="LOE":
    case examType="RELOE":
    otherwise:
      msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
      return
  endSwitch

  if propType="ALL" then
    myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      |_EG01                | Check =~examType|

SHIP.DB | ShipName |PropType      |
      |_EG02,_EG01 |Check |

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |TagoutGrade
|
| Check_EG02          | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
|_EG01          | Check =~examType|

```

```

SHIP.DB | ShipName   |PropType      |
|_EG02,_EG01 |Check |

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |TagoutGrade|
| Check_EG02          | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=GOOD OR =EXC      |

```

EndQuery

else  
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
|_EG01          | Check =~examType|

```

```

SHIP.DB | ShipName   |PropType      |
|_EG02,_EG01 |Check =~propType|

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |TagoutGrade
|
| Check_EG02          | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
|_EG01          | Check =~examType|

```

```

SHIP.DB | ShipName   |PropType      |
|_EG02,_EG01 |Check =~propType|

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate | TagoutGrade|
| Check_EG02 | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=GOOD OR =EXC |

```

```

EndQuery
endif

```

```

empty("TAGOUT")
empty("TAGOUT")
executeQBE(myQuery, "TAGOUT.db")
executeQBE(myQuery1, "TAGOUT1.db")
tbl.attach("TAGOUT")
tbl1.attach("TAGOUT1")
numberOfSatsProgramGrades=tbl.cCount("TagOutGrade")
msgInfo("Tag Out","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("TagOutGrade")
if totalNumberOfProgramGrades <> 0 then
msgInfo("Tag Out","The total number of grades are "
+strVal(totalNumberOfProgramGrades))
SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
msgInfo("Tag Out","The sat percentage is "
+strVal(satPercentageProgramGrades))
else
msgStop("Problem","The total number of Tag Out grades is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageProgramGrades
tc("PropType")="TAGOUT"
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box3.FOQM\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
tc tCursor
tbl table
tbl1 table
numberOfSatsProgramGrades Number
totalNumberOfProgramGrades Number
satPercentageProgramGrades Number
myQuery Query
myQuery1 Query
myQuery2 Query

```



```

examDate1 Date
examDate2 Date
PropType String
examType String
endVar

```

```

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
return
endSwitch

```

```

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
return
endSwitch

```

```

if propType="ALL" then
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

```

```

SHIP.DB | ShipName  | PropType      |
      | _EG02, _EG01 | Check |

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | FOQM_Grade
|
| Check _EG02                | Check >=~examDate1, <=~examDate2| Check =EXC OR =GOOD OR
=SAT |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType|

SHIP.DB | ShipName |PropType |  
|\_EG02,\_EG01 |Check |

PROGRAMM.DB | PM\_ID\_Ship\_ShipName\_FK6 | PM\_ID\_ExamEndDate |FOQM\_Grade|  
| Check\_EG02 | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR  
=GOOD OR =EXC|

EndQuery

else  
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType|

SHIP.DB | ShipName |PropType |  
|\_EG02,\_EG01 |Check =~propType|

PROGRAMM.DB | PM\_ID\_Ship\_ShipName\_FK6 | PM\_ID\_ExamEndDate |FOQM\_Grade  
|  
| Check\_EG02 | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR  
=SAT |

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType|

SHIP.DB | ShipName |PropType |  
|\_EG02,\_EG01 |Check =~propType|

PROGRAMM.DB | PM\_ID\_Ship\_ShipName\_FK6 | PM\_ID\_ExamEndDate |FOQM\_Grade|  
| Check\_EG02 | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR  
=GOOD OR =EXC|

EndQuery  
endif

empty("FOQM")  
empty("FOQM1")

```

executeQBE(myQuery, "FOQM.db")
executeQBE(myQuery1, "FOQM1.db")
tbl.attach("FOQM")
tbl1.attach("FOQM1")
numberOfSatsProgramGrades=tbl.cCount("FOQM_Grade")
msgInfo("FOQM","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("FOQM_Grade")
if totalNumberOfProgramGrades <> 0 then
msgInfo("FOQM","The total number of grades are "
+strVal(totalNumberOfProgramGrades))
SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
msgInfo("FOQM","The sat percentage is "
+strVal(satPercentageProgramGrades))
else
msgStop("Problem","The total number of FOQM Grades is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageProgramGrades
tc("PropType")="FOQM"
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box3.QA\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
tc tCursor
tbl table
tbl1 table
numberOfSatsProgramGrades Number
totalNumberOfProgramGrades Number
satPercentageProgramGrades Number
myQuery Query
myQuery1 Query
myQuery2 Query
examDate1 Date
examDate2 Date
PropType String
examType String
endVar

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"

```

```

examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
  msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
  return
endSwitch

```

```

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
  msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
  return
endSwitch

```

```

if propType="ALL" then
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

```

```

SHIP.DB | ShipName | PropType      |
      | _EG02, _EG01 | Check |

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | QA_Grade
|
| Check _EG02                | Check >=~examDate1, <=~examDate2 | Check =EXC OR =GOOD OR
= SAT |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

```

```

SHIP.DB | ShipName | PropType      |
      | _EG02, _EG01 | Check |

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | QA_Grade|

```

```

| Check _EG02 | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=GOOD OR =EXC |

```

EndQuery

```

else
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG01 | Check =~examType|

```

```

SHIP.DB | ShipName | PropType |
| _EG02, _EG01 | Check =~propType|

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate |QA_Grade
|
| Check _EG02 | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG01 | Check =~examType|

```

```

SHIP.DB | ShipName | PropType |
| _EG02, _EG01 | Check =~propType|

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate |QA_Grade|
| Check _EG02 | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=GOOD OR =EXC |

```

```

EndQuery
endif

```

```

empty("QA")
empty("QA1")
executeQBE(myQuery, "QA.db")
executeQBE(myQuery1, "QA1.db")
tbl.attach("QA")
tbl1.attach("QA1")
numberOfSatsProgramGrades=tbl.cCount("QA_Grade")
msgInfo("Quality Assurance","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("QA_Grade")
if totalNumberOfProgramGrades <> 0 then
msgInfo("Quality Assurance","The total number of grades are "

```

```

        +strVal(totalNumberOfProgramGrades))
    SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
    msgInfo("Quality Assurance","The sat percentage is "
        +strVal(satPercentageProgramGrades))
    else
        msgStop("Problem","The total number of Quality Assurance grades is 0, you cannot divide by 0!")
    return
    endif
    tc.open("percent")
    TC.edit()
    tc.insertRecord()
    tc("Percentage")=SatPercentageProgramGrades
    tc("PropType")="QA"
    tc("PropType1")=examType
    tc("examDate1")=examDate1
    tc("examDate2")=examDate2
    tc.endEdit()
    endmethod

```

Object : #Page2.#Box3.ELECTRICAL\_SAFETY\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
    tc tCursor
    tbl table
    tbl1 table
    numberOfSatsProgramGrades Number
    totalNumberOfProgramGrades Number
    satPercentageProgramGrades Number
    myQuery Query
    myQuery1 Query
    myQuery2 Query
    examDate1 Date
    examDate2 Date
    PropType String
    examType String
endVar

doDefault
    examDate1=date("01/01/00")
    examDate2=date("12/31/99")
    propType="GT"
    examType="OPPE"
    examDate1.view("Enter start date (I.E. 01/01/95)")
    examDate2.view("Enter stop date (I.E. 01/01/95)")
    propType.view("Enter prop type (GT/STM/DSL)")
    switch
        case propType="GT":
        case propType="STM":
        case propType="DSL":
        case propType="ALL":
        otherwise:

```

```

msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
return
endSwitch

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
return
endSwitch

if propType="ALL" then
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01          | Check =~examType|

SHIP.DB | ShipName      | PropType      |
      | _EG02, _EG01 | Check |

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | ElectSafetyGrade
|
| Check _EG02          | Check >=~examDate1, <=~examDate2| Check =EXC OR =GOOD OR
=SAT |

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01          | Check =~examType|

SHIP.DB | ShipName      | PropType      |
      | _EG02, _EG01 | Check |

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | ElectSafetyGrade|
| Check _EG02          | Check >=~examDate1, <=~examDate2| Check =SAT OR =UNS OR
=GOOD OR =EXC      |

EndQuery

else
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01          | Check =~examType|

SHIP.DB | ShipName      | PropType      |
      | _EG02, _EG01 | Check =~propType|

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | ElectSafetyGrade
|
      | Check _EG02          | Check >=~examDate1, <=~examDate2| Check =EXC OR =GOOD OR
=SAT |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01          | Check =~examType|

SHIP.DB | ShipName      | PropType      |
      | _EG02, _EG01 | Check =~propType|

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | ElectSafetyGrade|
      | Check _EG02          | Check >=~examDate1, <=~examDate2| Check =SAT OR =UNS OR
=GOOD OR =EXC      |

```

EndQuery  
endif

```

empty("ELECSAF")
empty("ELECSAF1")
executeQBE(myQuery, "ELECSAF.db")
executeQBE(myQuery1, "ELECSAF1.db")
tbl.attach("ELECSAF")
tbl1.attach("ELECSAF1")
numberOfSatsProgramGrades=tbl.cCount("ElectSafetyGrade")
msgInfo("Electrical Safety","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("ElectSafetyGrade")
if totalNumberOfProgramGrades <> 0 then
  msgInfo("Electrical Safety","The total number of grades are "
+strVal(totalNumberOfProgramGrades))
  SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
  msgInfo("Electrical Safety","The sat percentage is "
+strVal(satPercentageProgramGrades))
else
  msgStop("Problem","The total number of Electrical Safety Grades is 0, you cannot divide by 0!")
  return
endif
tc.open("percent")
TC.edit()

```



```

tc.insertRecord()
tc("Percentage")=SatPercentageProgramGrades
tc("PropType")="ES"
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box3.OPERATING\_LOGS\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
tc tCursor
tbl table
tbl1 table
numberOfSatsProgramGrades Number
totalNumberOfProgramGrades Number
satPercentageProgramGrades Number
myQuery Query
myQuery1 Query
myQuery2 Query
examDate1 Date
examDate2 Date
PropType String
examType String
endVar

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
return
endSwitch

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":

```

```

otherwise:
  msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
  return
endSwitch

```

```

if propType="ALL" then
  myQuery=Query

```

```

ANSWER: :PRIV:ANSWER.DB

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

```

```

SHIP.DB | ShipName  |PropType      |
      | _EG02, _EG01 | Check |

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |OpLogsGrade
|
| Check _EG02          | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR
=SAT |

```

```

EndQuery

```

```

myQuery1=Query

```

```

ANSWER: :PRIV:ANSWER.DB

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

```

```

SHIP.DB | ShipName  |PropType      |
      | _EG02, _EG01 | Check |

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |OpLogsGrade |
| Check _EG02          | Check >=~examDate1, <=~examDate2|Check =SAT OR =UNS OR
=GOOD OR =EXC |

```

```

EndQuery

```

```

else
  myQuery=Query

```

```

ANSWER: :PRIV:ANSWER.DB

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

```

```

SHIP.DB | ShipName  |PropType      |
      | _EG02, _EG01 | Check =~propType|

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      |OpLogsGrade
|
| Check _EG02          | Check >=~examDate1, <=~examDate2|Check =EXC OR =GOOD OR

```

=SAT |

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG01 | Check =~examType|

SHIP.DB | ShipName | PropType |  
|\_EG02,\_EG01 | Check =~propType|

PROGRAMM.DB | PM\_ID\_Ship\_ShipName\_FK6 | PM\_ID\_ExamEndDate | OpLogsGrade |  
| Check\_EG02 | Check >=~examDate1, <=~examDate2| Check =SAT OR =UNS OR  
=GOOD OR =EXC |

EndQuery

endif

```
empty("OPLOGS")
empty("OPLOGS1")
executeQBE(myQuery, "OPLOGS.db")
executeQBE(myQuery1, "OPLOGS1.db")
tbl.attach("OPLOGS")
tbl1.attach("OPLOGS1")
numberOfSatsProgramGrades=tbl.cCount("OpLogsGrade")
msgInfo("Operation Logs","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("OpLogsGrade")
if totalNumberOfProgramGrades <> 0 then
  msgInfo("Operation Logs","The total number of grades are "
+strVal(totalNumberOfProgramGrades))
  SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
  msgInfo("Operation Logs","The sat percentage is "
+strVal(satPercentageProgramGrades))
else
  msgStop("Problem","The total number of Operation Logs Grades is 0, you cannot divide by 0!")
  return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageProgramGrades
tc("PropType")="OPLOGS"
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod
```

Object : #Page2.#Box3.DJWTT\_BUTTON

MethodName : pushButton

```
Source : method pushButton(var eventInfo Event)
var
  tc tCursor
  tbl table
  tbl1 table
  numberOfSatsProgramGrades Number
  totalNumberOfProgramGrades Number
  satPercentageProgramGrades Number
  myQuery Query
  myQuery1 Query
  myQuery2 Query
  examDate1 Date
  examDate2 Date
  PropType String
  examType String
endVar

doDefault
  examDate1=date("01/01/00")
  examDate2=date("12/31/99")
  propType="GT"
  examType="OPPE"
  examDate1.view("Enter start date (I.E. 01/01/95)")
  examDate2.view("Enter stop date (I.E. 01/01/95)")
  propType.view("Enter prop type (GT/STM/DSL)")
  switch
    case propType="GT":
    case propType="STM":
    case propType="DSL":
    case propType="ALL":
    otherwise:
      msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, ALL only!")
      return
  endSwitch

  examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
  switch
    case examType="OPPE":
    case examType="REOPPE":
    case examType="LOE":
    case examType="RELOE":
    otherwise:
      msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
      return
  endSwitch

  if propType="ALL" then
    myQuery=Query

  ANSWER: :PRIV:ANSWER.DB
```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

SHIP.DB | ShipName   | PropType      |
      | _EG02, _EG01 | Check |

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | DJWTT_Grade
|
      | Check _EG02                | Check >=~examDate1, <=~examDate2| Check =EXC OR =GOOD OR
=SAT |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

SHIP.DB | ShipName   | PropType      |
      | _EG02, _EG01 | Check |

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | DJWTT_Grade |
      | Check _EG02                | Check >=~examDate1, <=~examDate2| Check =SAT OR =UNS OR
=GOOD OR =EXC |

```

EndQuery

else  
myQuery=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

SHIP.DB | ShipName   | PropType      |
      | _EG02, _EG01 | Check =~propType|

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | DJWTT_Grade
|
      | Check _EG02                | Check >=~examDate1, <=~examDate2| Check =EXC OR =GOOD OR
=SAT |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |

```

```

|_EG01          | Check =~examType|

SHIP.DB | ShipName | PropType |
|_EG02, _EG01 | Check =~propType|

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate | DJWTT_Grade |
| Check _EG02 | Check >=~examDate1, <=~examDate2 | Check =SAT OR =UNS OR
=GOOD OR =EXC |

EndQuery
endif
empty("DJWTT")
empty("DJWTT1")
executeQBE(myQuery, "DJWTT.db")
executeQBE(myQuery1, "DJWTT1.db")
tbl.attach("DJWTT")
tbl1.attach("DJWTT1")
numberOfSatsProgramGrades=tbl.cCount("DJWTT_Grade")
msgInfo("DJWTT","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("DJWTT_Grade")
if totalNumberOfProgramGrades <> 0 then
msgInfo("DJWTT","The total number of grades are "
+strVal(totalNumberOfProgramGrades))
SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
msgInfo("DJWTT","The sat percentage is "
+strVal(satPercentageProgramGrades))
else
msgStop("Problem","The total number of DJWTT Grades is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageProgramGrades
tc("PropType")="DJWTT"
tc("PropType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page2.#Box3.OLV\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
tc tCursor  
tbl table  
tbl1 table  
numberOfSatsProgramGrades Number  
totalNumberOfProgramGrades Number

```

satPercentageProgramGrades Number
myQuery Query
myQuery1 Query
myQuery2 Query
examDate1 Date
examDate2 Date
PropType String
examType String
endVar

```

```

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
examType="OPPE"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")

```

```

examType.view("Enter (OPPE/REOPPE/LOE/RELOE)")
switch
case examType="OPPE":
case examType="REOPPE":
case examType="LOE":
case examType="RELOE":
otherwise:
msgStop("Problem","The choices for Exam Type are OPPE, REOPPE, LOE, or RELOE only!")
return
endSwitch

```

```
myQuery=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

```

```

SHIP.DB | ShipName | PropType |
      | _EG02, _EG01 | Check =STM |

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate      | OLV_Grade
|
| Check _EG02                | Check >=~examDate1, <=~examDate2| Check =EXC OR =GOOD OR
=SAT |

```

```
EndQuery
```

```
myQuery1=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG01                | Check =~examType|

```

```

SHIP.DB | ShipName | PropType |
      | _EG02, _EG01 | Check =STM |

```

```

PROGRAMM.DB | PM_ID_Ship_ShipName_FK6 | PM_ID_ExamEndDate | OLV_Grade |
| Check_EG02 | Check >= ~examDate1, <= ~examDate2 | Check = SAT OR = UNS OR
= GOOD OR = EXC |

```

EndQuery

```

empty("OLV")
empty("OLV1")
executeQBE(myQuery, "OLV.db")
executeQBE(myQuery1, "OLV1.db")
tbl.attach("OLV")
tbl1.attach("OLV1")
numberOfSatsProgramGrades=tbl.cCount("OLV_Grade")
msgInfo("Online Verification","The total number of sats are "
+strVal(NumberOfSatsProgramGrades))
TotalNumberOfProgramGrades=tbl1.cCount("OLV_Grade")
if totalNumberOfProgramGrades <> 0 then
msgInfo("Online Verification","The total number of grades are "
+strVal(totalNumberOfProgramGrades))
SatPercentageProgramGrades=(numberOfSatsProgramGrades/totalNumberOfProgramGrades)*100
msgInfo("Online Verification","The sat percentage is "
+strVal(satPercentageProgramGrades))
else
msgStop("Problem","The total number of Online Verification grades is 0, you cannot divide by 0!")
return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageProgramGrades
tc("PropType")="OLV"
tc("propType1")=examType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```



Object : OPPE\_LOE\_MONTHLY\_QUERY

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  examMenu Menu
  ReportPop PopUpMenu
  AddPoP PopUpMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    examMenu.addText("&Quit")
    examMenu.show()
    maximize()
    hideSpeedBar()
    edit()
    endif
endmethod
```

Object : OPPE\_LOE\_MONTHLY\_QUERY

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    Switch
      case eventInfo.menuChoice() = "&Help":

      case eventInfo.menuChoice() = "&Quit":
        reply=msgQuestion("Quit", "Are you sure you want to leave this form?")
        If reply = "Yes" then
          close()
        else
          return
        endif
      endSwitch
    endif
endmethod
```

Object : #Page2.#Button3

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```
var
tbl tableView
myQuery Query
examDate1 Date
examDate2 Date
endVar

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
```

myQuery=Query

ANSWER: :PRIV:ANSWER.DB

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate | ExamType |
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check |
```

```
EXAM.DB | OverallFinding | Comments |
| Check | Check |
```

```
EndQuery
empty("Summary")
if executeQBE(myQuery, "Summary.db") then
tbl.open("Summary")
else
msgStop("Problem", "Could not open summary database.")
endif
endmethod
```

Object : #Page4

MethodName : setFocus

Source : method setFocus(var eventInfo Event)

```
var
examMenu Menu
ReportPop PopUpMenu
AddPoP PopUpMenu
endVar

examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
edit()
```

endmethod

Object : #Page4.#Box8.PRINT\_REPORT\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
myRep Report  
reply String  
endVar  
reply=msgQuestion("View report","Have you updated the report with the SUMMARY query?")  
if reply="Yes" then  
myRep.print("Summary")  
else  
return  
endif  
endmethod

Object : #Page4.#Box8.VIEW\_REPORT\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
myRep Report  
reply String  
m menu  
endVar  
reply=msgQuestion("View report","Have you updated the report with the SUMMARY query?")  
if reply="Yes" then  
myRep.open("Summary", WinStyleMaximize)  
hideSpeedBar()  
m.addText("")  
m.Show()  
message("Shift-F4 for next page, Shift-F3 for previous page, Ctrl-F4 to close report")  
else  
return  
endif  
endmethod

Object : #Page4.#Box8.SUMMARY\_QUERY\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
tbl tableView  
myQuery Query  
examDate1 Date  
examDate2 Date  
endVar

```
doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
```

```
myQuery=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate | ExamType |
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check |
```

```
EXAM.DB | OverallFinding | Comments |
| Check | Check |
```

```
EndQuery
empty("Summary")
if executeQBE(myQuery, "Summary.db") then
msgInfo("Summary", "The Summary Query was successful.")
; tbl.open("Summary")
else
msgStop("Problem", "Could not open summary database.")
endif
endmethod
```

Object : EVOLUTIONS\_DRILLS\_QUERY

MethodName : Const

Source : Const  
ViewFlex1=301  
ViewFlex2=302  
ViewFlex3=303  
ViewFlex4=304  
ViewFlex5=305  
ViewFlex6=306  
PrintFlex1=313  
PrintFlex2=314  
PrintFlex3=315  
PrintFlex4=316  
PrintFlex5=317  
PrintFlex6=318  
endConst

Object : EVOLUTIONS\_DRILLS\_QUERY

MethodName : arrive

Source : method arrive(var eventInfo MoveEvent)  
var  
tc Tcursor  
examMenu, View, Print, ReportMenu Menu  
PrintPop PopUpMenu  
ViewPop PopUpMenu  
ViewFlexPop PopUpMenu  
PrintFlexPop PopUpMenu  
examtype PopupMenu  
endVar  
if eventInfo.isPreFilter()  
then  
; This code executes for each object on the form.  
  
else  
; This code executes only for the form.  
  
PrintPop.addText("Evolutions Section 1","",PrintFlex1)  
PrintPop.addText("Drills Section 1","",PrintFlex4)  
PrintPop.addText("Evolutions Section 2","",PrintFlex2)  
PrintPop.addText("Drills Section 2","",PrintFlex5)  
PrintPop.addText("Evolutions Section 3","",PrintFlex3)  
PrintPop.addText("Drills Section 3","",PrintFlex6)  
PrintPop.addText("&Graph")  
  
ViewPop.addText("Evolutions Section 1","",ViewFlex1)  
ViewPop.addText("Drills Section 1","",ViewFlex4)  
ViewPop.addText("Evolutions Section 2","",ViewFlex2)  
ViewPop.addText("Drills Section 2","",ViewFlex5)  
ViewPop.addText("Evolutions Section 3","",ViewFlex3)  
ViewPop.addText("Drills Section 3","",ViewFlex6)

```

examMenu.addPopUp("&View", ViewPop)
examMenu.addPopUP("&Print", PrintPop)
examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
tc.open("percent")
tc.edit()
tc.empty()
tc.endEdit()
endif
endmethod

```

Object : EVOLUTIONS\_DRILLS\_QUERY

MethodName : menuAction

```

Source : method menuAction(var eventInfo MenuEvent)
var
myRep Report
reply String
choiceId SmallInt
m menu
endVar
choiceId=eventInfo.id()

if eventInfo.isPreFilter()
then
; This code executes for each object on the form.

else
; This code executes only for the form.

Switch
case eventInfo.menuChoice() ="&Help":
case eventInfo.menuChoice() ="&Quit":
reply=msgQuestion("Quit","Are you sure you want to leave this form?")
If reply = "Yes" then
close()
else
return
endif
case eventInfo.menuchoice() ="&Graph":
myRep.print("taskevol")
endSwitch
Switch
case choiceId =ViewFlex1:
myRep.open("tasksec1")
hideSpeedBar()
m.addText("")
m.show()
case choiceId =ViewFlex2:
myRep.open("tasksec2")

```

```

hideSpeedBar()
m.addText("")
m.show()
case choiceld =ViewFlex3:
myRep.open("tasksec3")
hideSpeedBar()
m.addText("")
m.show()
case choiceld =ViewFlex4:
myRep.open("drilsec1")
hideSpeedBar()
m.addText("")
m.show()
case choiceld =ViewFlex5:
myRep.open("drilsec2")
hideSpeedBar()
m.addText("")
m.show()
case choiceld =ViewFlex6:
myRep.open("drilsec3")
hideSpeedBar()
m.addText("")
m.show()
case choiceld =PrintFlex1:
myRep.print("tasksec1")
case choiceld =PrintFlex2:
myRep.print("tasksec2")
case choiceld =PrintFlex3:
myRep.print("tasksec3")
case choiceld =PrintFlex4:
myRep.print("drilsec1")
case choiceld =PrintFlex5:
myRep.print("drilsec2")
case choiceld =PrintFlex6:
myRep.print("drilsec3")
endSwitch
endif
endmethod

```

Object : #Page2.#Box19.#Button25

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
endVar  
  
newView.open("drilsec3")  
endmethod

Object : #Page2.#Box19.#Button31

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```
var
tbl table
tbl1 table
numberOfSats Number
totalNumberOfEvolutions Number
satPercentage Number
myQuery Query
myQuery1 Query
examDate Date
PropType String
endVar
```

```
doDefault
examDate.view("Please enter the desired start date.")
propType.view("Please enter the desired propulsion type.")
myQuery=Query
```

ANSWER: :PRIV:ANSWER.DB

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 | %ofSatDrill_2ndSec |
|_EG01 | Check >=50 |
```

```
SHIP.DB | ShipName | ExamEndDate | PropType |
| Check _EG02, _EG01 | Check >=~examDate| Check =~propType|
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
|_EG02 | Check =OPPE |
```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 | %ofSatEvol_1stSec |
|_EG01 | Check |
```

```
OPERATIO.DB | %ofSatEvol_2ndSec | %ofSatEvol_3rdSec | %ofSatDrill_1stSec |
| Check | Check | Check |
```

```
OPERATIO.DB | %ofSatDrill_2ndSec | %ofSatDrill_3rdSec |
| Check | Check |
```

```
SHIP.DB | ShipName | ExamEndDate | PropType |
| Check _EG02, _EG01 | Check >=~examDate| Check =~propType|
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
|_EG02 | Check =OPPE |
```

EndQuery



```

executeQBE(myQuery, "DrilSec2.db").
executeQBE(myQuery1, "Tas1Sec1.db")

tbl.attach("DrilSec2")
tbl1.attach("Tas1Sec1")
numberOfSats=tbl.cCount("%ofSatDrill_2ndSec")
msgInfo("Section Two","The total number of sat drill sets are "
+strVal(NumberOfSats))
TotalNumberOfEvolutions=tbl1.cCount("%ofSatDrill_2ndSec")
msgInfo("Section Two","The total number of drill sets are "
+strVal(totalNumberOfEvolutions))
SatPercentage=(numberOfSats/totalNumberOfEvolutions)*100
msgInfo("Section Two","The sat drill set percentage is "
+strVal(satPercentage))
endmethod

```

Object : #Page2.#Box19.#Button30

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
tbl table
tbl1 table
numberOfSats Number
totalNumberOfEvolutions Number
satPercentage Number
myQuery Query
myQuery1 Query
examDate Date
PropType String
endVar

```

```

doDefault
examDate.view("Please enter the desired start date.")
propType.view("Please enter the desired propulsion type.")
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | %ofSatDrill_3rdSec |
|_EG01 | Check >=50 |

```

```

SHIP.DB | ShipName | ExamEndDate | PropType |
| Check _EG02, _EG01 | Check >=~examDate| Check =~propType|

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
|_EG02 | Check =OPPE |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

OPERATIO.DB | Operati\_Ship\_ShipName\_FK3 | %ofSatEvol\_1stSec |  
|\_EG01 | Check |

OPERATIO.DB | %ofSatEvol\_2ndSec | %ofSatEvol\_3rdSec | %ofSatDrill\_1stSec |  
| Check | Check | Check |

OPERATIO.DB | %ofSatDrill\_2ndSec | %ofSatDrill\_3rdSec |  
| Check | Check |

SHIP.DB | ShipName | ExamEndDate | PropType |  
| Check \_EG02, \_EG01 | Check >=~examDate | Check =~propType |

EXAM.DB | ExamID\_Ship\_ShipName\_FK2 | ExamType |  
|\_EG02 | Check =OPPE |

EndQuery

executeQBE(myQuery, "DrilSec3.db")  
executeQBE(myQuery1, "Tas1Sec1.db")

tbl.attach("DrilSec3")  
tbl1.attach("Tas1Sec1")  
numberOfSats=tbl.cCount("%ofSatDrill\_3rdSec")  
msgInfo("Section Three", "The total number of sat drill sets are "  
+strVal(NumberOfSats))  
TotalNumberOfEvolutions=tbl1.cCount("%ofSatDrill\_3rdSec")  
msgInfo("Section Three", "The total number of drill sets are "  
+strVal(totalNumberOfEvolutions))  
SatPercentage=(numberOfSats/totalNumberOfEvolutions)\*100  
msgInfo("Section Three", "The sat drill set percentage is "  
+strVal(satPercentage))  
endmethod

Object : #Page2.#Box19.#Button23

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
endVar  
  
newView.open("drilsec2")  
endmethod

Object : #Page2.#Box19.#Button21

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var

```
newView tableView
endVar
```

```
newView.open("drilsec1")
endmethod
```

Object : #Page2.#Box19.#Button9

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```
var
tbl table
tbl1 table
numberOfSats Number
totalNumberOfEvolutions Number
satPercentage Number
myQuery Query
myQuery1 Query
examDate Date
PropType String
endVar
```

```
doDefault
examDate.view("Please enter the desired start date.")
propType.view("Please enter the desired propulsion type.")
myQuery=Query
```

ANSWER: :PRIV:ANSWER.DB

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 | %ofSatDrill_1stSec |
|_EG01 | Check >=50 |
```

```
SHIP.DB | ShipName | ExamEndDate | PropType |
| Check _EG02, _EG01 | Check >=~examDate| Check =~propType|
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
|_EG02 | Check =OPPE |
```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 | %ofSatEvol_1stSec |
|_EG01 | Check |
```

```
OPERATIO.DB | %ofSatEvol_2ndSec | %ofSatEvol_3rdSec | %ofSatDrill_1stSec |
| Check | Check | Check |
```

```
OPERATIO.DB | %ofSatDrill_2ndSec | %ofSatDrill_3rdSec |
| Check | Check |
```

```
SHIP.DB | ShipName      | ExamEndDate  | PropType |
      | Check _EG02, _EG01 | Check >=~examDate| Check =~propType|
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType  |
      | _EG02                      | Check =OPPE |
```

EndQuery

```
executeQBE(myQuery, "DrilSec1.db")
executeQBE(myQuery1, "Tas1Sec1.db")
```

```
tbl.attach("DrilSec1")
tbl1.attach("Tas1Sec1")
numberOfSats=tbl.cCount("%ofSatDrill_1stSec")
msgInfo("Section One","The total number of sat drill sets are "
+strVal(NumberOfSats))
TotalNumberOfEvolutions=tbl1.cCount("%ofSatDrill_1stSec")
msgInfo("Section One","The total number of drill sets are "
+strVal(totalNumberOfEvolutions))
SatPercentage=(numberOfSats/totalNumberOfEvolutions)*100
msgInfo("Section One","The sat drill set percentage is "
+strVal(satPercentage))
endmethod
```

Object : #Page2.#Box11.#Button15

MethodName : pushButton

```
Source : method pushButton(var eventInfo Event)
var
  newView tableView
endVar

newView.open("Tas2sec1")
endmethod
```

Object : #Page2.#Box11.#Button17

MethodName : pushButton

```
Source : method pushButton(var eventInfo Event)
var
  newView tableView
endVar

newView.open("tas2sec3")
endmethod
```

Object : #Page2.#Box11.#Button13

MethodName : pushButton

Object : #Page2.#Box11.#Button35

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```
var
tbl table
tbl1 table
numberOfSats Number
totalNumberOfEvolutions Number
satPercentage Number
myQuery Query
myQuery1 Query
examDate Date
PropType String
endVar
```

```
doDefault
examDate.view("Please enter the desired start date.")
propType.view("Please enter the desired propulsion type.")
myQuery=Query
```

ANSWER: :PRIV:ANSWER.DB

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 | %ofSatEvol_3rdSec |
|_EG01 | Check >=75 |
```

```
SHIP.DB | ShipName | ExamEndDate | PropType |
| Check _EG02, _EG01 | Check >=~examDate| Check =~propType|
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
|_EG02 | Check =OPPE |
```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 | %ofSatEvol_1stSec |
|_EG01 | Check |
```

```
OPERATIO.DB | %ofSatEvol_2ndSec | %ofSatEvol_3rdSec |
| Check | Check |
```

```
SHIP.DB | ShipName      | ExamEndDate   | PropType |
      | Check _EG02, _EG01 | Check >=~examDate| Check =~propType|
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType  |
      | _EG02                      | Check =OPPE |
```

EndQuery

```
executeQBE(myQuery, "Tas2Sec3.db")
executeQBE(myQuery1, "Tas1Sec1.db")
```

```
tbl.attach("Tas2Sec3")
tbl1.attach("Tas1Sec1")
numberOfSats=tbl.cCount("%ofSatEvol_3rdSec")
msgInfo("Section Three", "The total number of sat evolution sets are "
+strVal(NumberOfSats))
TotalNumberOfEvolutions=tbl1.cCount("%ofSatEvol_2ndSec")
msgInfo("Section Three", "The total number of evolution sets are "
+strVal(totalNumberOfEvolutions))
SatPercentage=(numberOfSats/totalNumberOfEvolutions)*100
msgInfo("Section Three", "The sat evolution set percentage is "
+strVal(satPercentage))
endmethod
```

Object : #Page2.#Box11.#Button36

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```
var
tbl table
tbl1 table
numberOfSats Number
totalNumberOfEvolutions Number
satPercentage Number
myQuery Query
myQuery1 Query
examDate Date
PropType String
endVar
```

```
doDefault
examDate.view("Please enter the desired start date.")
propType.view("Please enter the desired propulsion type.")
myQuery=Query
```

ANSWER: :PRIV:ANSWER.DB

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 | %ofSatEvol_2ndSec |
      | _EG01                      | Check >=75      |
```

```
SHIP.DB | ShipName      | ExamEndDate   | PropType |
```

```

| Check _EG02, _EG01 | Check >=~examDate| Check =~propType|
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG02 | Check =OPPE |

```

EndQuery

myQuery1=Query

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | %ofSatEvol_1stSec |
| _EG01 | Check |

```

```

OPERATIO.DB | %ofSatEvol_2ndSec | %ofSatEvol_3rdSec |
| Check | Check |

```

```

SHIP.DB | ShipName | ExamEndDate | PropType |
| Check _EG02, _EG01 | Check >=~examDate| Check =~propType|

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG02 | Check =OPPE |

```

EndQuery

```

executeQBE(myQuery, "Tas2Sec2.db")
executeQBE(myQuery1, "Tas1Sec1.db")

```

```

tbl.attach("Tas2Sec2")
tbl1.attach("Tas1Sec1")
numberOfSats=tbl.cCount("%ofSatEvol_2ndSec")
msgInfo("Section Two","The total number of sat evolution sets are "
+strVal(NumberOfSats))
TotalNumberOfEvolutions=tbl1.cCount("%ofSatEvol_2ndSec")
msgInfo("Section Two","The total number of evolution sets are "
+strVal(totalNumberOfEvolutions))
SatPercentage=(numberOfSats/totalNumberOfEvolutions)*100
msgInfo("Section Two","The sat evolution percentage is "
+strVal(satPercentage))
endmethod

```

Object : #Page2.#Box11.#Button3

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
tbl table
tbl1 table
numberOfSats Number
totalNumberOfEvolutions Number
satPercentage Number

```

```

myQuery Query
myQuery1 Query
examDate Date
PropType String
endVar

```

```

doDefault
examDate.view("Please enter the desired start date.")
propType.view("Please enter the desired propulsion type.")
myQuery=Query

```

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | %ofSatEvol_1stSec |
            | _EG01                      | Check >=75      |

```

```

SHIP.DB | ShipName      | ExamEndDate    | PropType |
        | Check _EG02, _EG01 | Check >=~examDate| Check =~propType|

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType  |
        | _EG02                      | Check =OPPE |

```

EndQuery

```
myQuery1=Query
```

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | %ofSatEvol_1stSec |
            | _EG01                      | Check          |

```

```

SHIP.DB | ShipName      | ExamEndDate    | PropType |
        | Check _EG02, _EG01 | Check >=~examDate| Check =~propType|

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType  |
        | _EG02                      | Check =OPPE |

```

EndQuery

```

executeQBE(myQuery, "Tas2Sec1.db")
executeQBE(myQuery1, "Tas1Sec1.db")

```

```

tbl.attach("Tas2Sec1")
tbl1.attach("Tas1Sec1")
numberOfSats=tbl.cCount("%ofSatEvol_1stSec")
msgInfo("Section One","The total number of sat evolution sets are "
+strVal(NumberOfSats))
TotalNumberOfEvolutions=tbl1.cCount("%ofSatEvol_1stSec")
msgInfo("Section One","The total number of evolution sets are "
+strVal(totalNumberOfEvolutions))
SatPercentage=(numberOfSats/totalNumberOfEvolutions)*100
msgInfo("Section One","The sat evolution set percentage is "
+strVal(satPercentage))

```



endmethod

Object : #Page27

MethodName : setFocus

```
Source : method setFocus(var eventInfo Event)
var
  examMenu, View, Print, ReportMenu Menu
  PrintPop PopUpMenu
  ViewPop PopUpMenu
  ViewFlexPop PopUpMenu
  PrintFlexPop PopUpMenu
  examtype PopupMenu
endVar

PrintPop.addText("Evolutions Section 1","",PrintFlex1)
PrintPop.addText("Drills Section 1","",PrintFlex4)
PrintPop.addText("Evolutions Section 2","",PrintFlex2)
PrintPop.addText("Drills Section 2","",PrintFlex5)
PrintPop.addText("Evolutions Section 3","",PrintFlex3)
PrintPop.addText("Drills Section 3","",PrintFlex6)
PrintPop.addText("&Graph")

ViewPop.addText("Evolutions Section 1","",ViewFlex1)
ViewPop.addText("Drills Section 1","",ViewFlex4)
ViewPop.addText("Evolutions Section 2","",ViewFlex2)
ViewPop.addText("Drills Section 2","",ViewFlex5)
ViewPop.addText("Evolutions Section 3","",ViewFlex3)
ViewPop.addText("Drills Section 3","",ViewFlex6)

examMenu.addPopUp("&View", ViewPop)
examMenu.addPopUP("&Print", PrintPop)
examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
endmethod
```

Object : #Page27.RESET\_GRAPH\_BUTTON

MethodName : pushButton

```
Source : method pushButton(var eventInfo Event)
var
  tc Tcursor
endVar
tc.open("percent")
tc.edit()
tc.empty()
tc.endEdit()
endmethod
```

Object : #Page27.#Box46.DRILL\_SEC3\_LISTSHIP\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
endVar  
  
newView.open("drilsec3")  
endmethod

Object : #Page27.#Box46.DRILL\_SEC2\_LISTSHIP\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
endVar  
  
newView.open("drilsec2")  
endmethod

Object : #Page27.#Box46.DRILL\_SEC1\_LISTSHIP\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
endVar  
  
newView.open("drilsec1")  
endmethod

Object : #Page27.#Box46.DRILL\_SET\_PERCENT\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
tc tCursor  
tbl table  
tbl1 table  
numberOfSatsSec1 Number  
totalNumberOfSatsSec1 Number  
satPercentageSec1 Number  
numberOfSatsSec2 Number  
totalNumberOfSatsSec2 Number  
satPercentageSec2 Number  
numberOfSatsSec3 Number  
totalNumberOfSatsSec3 Number

```

satPercentageSec3 Number
myQuery1 Query
myQuery2 Query
myQuery3 Query
myQuery4 Query
myQuery5 Query
myQuery6 Query
examDate1 Date
examDate2 Date
PropType String
endVar

```

```

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examDate1.view("Enter the start date (I.E. 01/01/95)")
examDate2.view("Enter the stop date (I.E. 01/01/95)")
propType.view("Enter the prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
return
endSwitch

```

```

if propType="ALL" then
myQuery1=Query

```

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 |OperationID_ExamEndDate      | %ofSatDrill_1stSec |
| Check_EG01      |Check >=~examDate1, <=~examDate2| Check >=50      |

```

```

SHIP.DB | ShipName      |PropType      |
|_EG02,_EG01      |Check |

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
|_EG02      | Check =OPPE OR =REOPPE|

```

EndQuery

```

myQuery2=Query

```

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 |OperationID_ExamEndDate      | %ofSatDrill_1stSec |
| Check_EG01      |Check >=~examDate1, <=~examDate2| Check >0      |

```

```

SHIP.DB | ShipName      |PropType      |
|_EG02,_EG01      |Check |

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG02                | Check =OPPE OR =REOPPE|

```

EndQuery

executeQBE(myQuery1, "DrilSec1.db")

executeQBE(myQuery2, "Tas1Sec1.db")

tbl.attach("DrilSec1")

tbl1.attach("Tas1Sec1")

numberOfSatsSec1=tbl.cCount("%ofSatDrill\_1stSec")

msgInfo("Section One","The total number of sat drill sets are "  
+strVal(NumberOfSatsSec1))

TotalNumberOfSatsSec1=tbl1.cCount("%ofSatDrill\_1stSec")

if totalNumberOfSatsSec1 <> 0 then

msgInfo("Section One","The total number of drill sets are "  
+strVal(totalNumberOfSatsSec1))

SatPercentageSec1=(numberOfSatsSec1/totalNumberOfSatsSec1)\*100

msgInfo("Section One","The sat drill set percentage is "  
+strVal(satPercentageSec1))

else

msgStop("Problem","The total number of watch sections is 0, you cannot divide by 0!")

return

endif

myQuery3=Query

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate      | %ofSatDrill_2ndSec |
      | Check _EG01                | Check >=~examDate1, <=~examDate2| Check >=50      |

```

```

SHIP.DB | ShipName      | PropType      |
      | _EG02, _EG01    | Check |

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG02                | Check =OPPE OR =REOPPE|

```

EndQuery

myQuery4=Query

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate      | %ofSatDrill_2ndSec |
      | Check _EG01                | Check >=~examDate1, <=~examDate2| Check >0      |

```

```

SHIP.DB | ShipName      | PropType      |
      | _EG02, _EG01    | Check |

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG02                | Check =OPPE OR =REOPPE|

```

```

EndQuery
executeQBE(myQuery3, "DrilSec2.db")
executeQBE(myQuery4, "Tas1Sec1.db")

tbl.attach("DrilSec2")
tbl1.attach("Tas1Sec1")
numberOfSatsSec2=tbl.cCount("%ofSatDrill_2ndSec")
msgInfo("Section Two","The total number of sat drill sets are "
+strVal(NumberOfSatsSec2))
TotalNumberOfSatsSec2=tbl1.cCount("%ofSatDrill_2ndSec")
if totalNumberOfSatsSec2 <> 0 then
msgInfo("Section Two","The total number of drill sets are "
+strVal(totalNumberOfSatsSec2))
SatPercentageSec2=(numberOfSatsSec2/totalNumberOfSatsSec2)*100
msgInfo("Section Two","The sat drill set percentage is "
+strVal(satPercentageSec2))
else
msgStop("Problem","The total number of watch sections is 0, you cannot divide by 0!")
return
endif

```

myQuery5=Query

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatDrill_3rdSec |
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >=50 |

SHIP.DB | ShipName | PropType |
| _EG02, _EG01 | Check |

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG02 | Check =OPPE OR =REOPPE|

```

EndQuery

myQuery6=Query

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatDrill_3rdsec |
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >0 |

SHIP.DB | ShipName | PropType |
| _EG02, _EG01 | Check |

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG02 | Check =OPPE OR =REOPPE|

```

EndQuery

```

executeQBE(myQuery5, "DrilSec3.db")
executeQBE(myQuery6, "Tas1Sec1.db")

```

```

tbl.attach("DrilSec3")
tbl1.attach("Tas1Sec1")
numberOfSatsSec3=tbl.cCount("%ofSatDrill_3rdSec")
msgInfo("Section Three","The total number of sat drill sets are "
+strVal(NumberOfSatsSec3))
TotalNumberOfSatsSec3=tbl1.cCount("%ofSatDrill_3rdSec")
if totalNumberOfSatsSec3 <> 0 then
msgInfo("Section Three","The total number of drill sets are "
+strVal(totalNumberOfSatsSec3))
SatPercentageSec3=(numberOfSatsSec3/totalNumberOfSatsSec3)*100
msgInfo("Section Three","The sat drill set percentage is "
+strVal(satPercentageSec3))
else
msgStop("Problem","The total number of watch sections is 0, you cannot divide by 0!")
return
endif

```

```

else
myQuery1=Query

```

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 |OperationID_ExamEndDate | %ofSatDrill_1stSec |
| Check_EG01 |Check >=~examDate1, <=~examDate2| Check >=50 |

```

```

SHIP.DB | ShipName |PropType |
|_EG02,_EG01 |Check =~propType|

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
|_EG02 | Check =OPPE OR =REOPPE|

```

EndQuery

```

myQuery2=Query

```

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 |OperationID_ExamEndDate | %ofSatDrill_1stSec |
| Check_EG01 |Check >=~examDate1, <=~examDate2| Check >0 |

```

```

SHIP.DB | ShipName |PropType |
|_EG02,_EG01 |Check =~propType|

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
|_EG02 | Check =OPPE OR =REOPPE|

```

EndQuery

```

executeQBE(myQuery1, "DrilSec1.db")
executeQBE(myQuery2, "Tas1Sec1.db")

```

```

tbl.attach("DrilSec1")
tbl1.attach("Tas1Sec1")

```

```

numberOfSatsSec1=tbl.cCount("%ofSatDrill_1stSec")
msgInfo("Section One","The total number of sat drill sets are "
+strVal(NumberOfSatsSec1))
TotalNumberOfSatsSec1=tbl1.cCount("%ofSatDrill_1stSec")
if totalNumberOfSatsSec1 <> 0 then
    msgInfo("Section One","The total number of drill sets are "
+strVal(totalNumberOfSatsSec1))
    SatPercentageSec1=(numberOfSatsSec1/totalNumberOfSatsSec1)*100
    msgInfo("Section One","The sat drill set percentage is "
+strVal(satPercentageSec1))
else
    msgStop("Problem","The total number of watch sections is 0, you cannot divide by 0!")
return
endif

```

myQuery3=Query

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatDrill_2ndSec |
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >=50 |

```

```

SHIP.DB | ShipName | PropType |
| _EG02, _EG01 | Check =~propType|

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG02 | Check =OPPE OR =REOPPE|

```

EndQuery

myQuery4=Query

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatDrill_2ndSec |
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >0 |

```

```

SHIP.DB | ShipName | PropType |
| _EG02, _EG01 | Check =~propType|

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG02 | Check =OPPE OR =REOPPE|

```

EndQuery

```

executeQBE(myQuery3, "DrilSec2.db")
executeQBE(myQuery4, "Tas1Sec1.db")

```

```

tbl.attach("DrilSec2")
tbl1.attach("Tas1Sec1")
numberOfSatsSec2=tbl.cCount("%ofSatDrill_2ndSec")
msgInfo("Section Two","The total number of sat drill sets are "
+strVal(NumberOfSatsSec2))
TotalNumberOfSatsSec2=tbl1.cCount("%ofSatDrill_2ndSec")

```

```

if totalNumberOfSatsSec2 <> 0 then
    msgInfo("Section Two","The total number of drill sets are "
        +strVal(totalNumberOfSatsSec2))
    SatPercentageSec2=(numberOfSatsSec2/totalNumberOfSatsSec2)*100
    msgInfo("Section Two","The sat drill set percentage is "
        +strVal(satPercentageSec2))
else
    msgStop("Problem","The total number of watch sections is 0, you cannot divide by 0!")
return
endif

```

myQuery5=Query

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatDrill_3rdSec |
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >=50 |

```

```

SHIP.DB | ShipName | PropType |
| _EG02, _EG01 | Check =~propType|

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG02 | Check =OPPE OR =REOPPE|

```

EndQuery

myQuery6=Query

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatDrill_3rdsec |
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >0 |

```

```

SHIP.DB | ShipName | PropType |
| _EG02, _EG01 | Check =~propType|

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG02 | Check =OPPE OR =REOPPE|

```

EndQuery

```

executeQBE(myQuery5, "DrilSec3.db")
executeQBE(myQuery6, "Tas1Sec1.db")

```

```

tbl.attach("DrilSec3")
tbl1.attach("Tas1Sec1")
numberOfSatsSec3=tbl.cCount("%ofSatDrill_3rdSec")
msgInfo("Section Three","The total number of sat drill sets are "
    +strVal(NumberOfSatsSec3))
TotalNumberOfSatsSec3=tbl1.cCount("%ofSatDrill_3rdSec")
if totalNumberOfSatsSec3 <> 0 then
    msgInfo("Section Three","The total number of drill sets are "
        +strVal(totalNumberOfSatsSec3))
    SatPercentageSec3=(numberOfSatsSec3/totalNumberOfSatsSec3)*100

```



```

msgInfo("Section Three","The sat drill set percentage is "
+strVal(satPercentageSec3))
else
msgStop("Problem","The total number of watch sections is 0, you cannot divide by 0!")
return
endif
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageSec1
tc("Percentage1")=SatPercentageSec2
tc("Percentage2")=SatPercentageSec3
tc("PropType")=propType
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```

Object : #Page27.#Box28.EVOLUTION\_PERCENT\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
tc tCursor
tbl table
tbl1 table
numberOfSatsSec1 Number
totalNumberOfEvolutionsSec1 Number
satPercentageSec1 Number
numberOfSatsSec2 Number
totalNumberOfEvolutionsSec2 Number
satPercentageSec2 Number
numberOfSatsSec3 Number
totalNumberOfEvolutionsSec3 Number
satPercentageSec3 Number
myQuery1 Query
myQuery2 Query
myQuery3 Query
myQuery4 Query
myQuery5 Query
myQuery6 Query
examDate1 Date
examDate2 Date
PropType String
endVar

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
propType="GT"
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")

```

```

propType.view("Enter prop type (GT/STM/DSL)")
switch
case propType="GT":
case propType="STM":
case propType="DSL":
case propType="ALL":
otherwise:
msgStop("Problem","The choices for Propulsion Type are GT, STM, DSL, or ALL only!")
return
endSwitch

```

```

if propType="ALL" then
myQuery1=Query

```

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatEvol_1stSec |
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >=65 |

```

```

SHIP.DB | ShipName | PropType |
| _EG02, _EG01 | Check |

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG02 | Check =OPPE OR =REOPPE|

```

EndQuery

```

myQuery2=Query

```

ANSWER: :PRIV:ANSWER.DB

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatEvol_1stSec |
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >0 |

```

```

SHIP.DB | ShipName | PropType |
| _EG02, _EG01 | Check |

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG02 | Check =OPPE OR REOPPE|

```

EndQuery

```

executeQBE(myQuery1, "Tas2Sec1.db")
executeQBE(myQuery2, "Tas1Sec1.db")

```

```

tbl.attach("Tas2Sec1")
tbl1.attach("Tas1Sec1")
numberOfSatsSec1=tbl.cCount("%ofSatEvol_1stSec")
msgInfo("Section One","The total number of sat evolution sets are "
+strVal(NumberOfSatsSec1))
TotalNumberOfEvolutionsSec1=tbl1.cCount("%ofSatEvol_1stSec")
if totalNumberOfEvolutionsSec1 <> 0 then
msgInfo("Section One","The total number of evolution sets are "

```

```

+strVal(totalNumberOfEvolutionsSec1))
SatPercentageSec1=(numberOfSatsSec1/totalNumberOfEvolutionsSec1)*100
msgInfo("Section One","The sat evolution set percentage is "
+strVal(satPercentageSec1))
else
msgStop("Problem","The total number of evolutions is 0, you cannot divide by 0!")
return
endif

```

```
myQuery3=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 |OperationID_ExamEndDate      | %ofSatEvol_2ndSec |
| Check_EG01      |Check >=~examDate1, <=~examDate2| Check >=65      |

```

```

SHIP.DB | ShipName      |PropType      |
|_EG02,_EG01      |Check |

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
|_EG02      | Check =OPPE OR =REOPPE|

```

```
EndQuery
```

```
myQuery4=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 |OperationID_ExamEndDate      | %ofSatEvol_2ndSec |
| Check_EG01      |Check >=~examDate1, <=~examDate2| Check >0      |

```

```

SHIP.DB | ShipName      |PropType      |
|_EG02,_EG01      |Check |

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
|_EG02      | Check =OPPE OR =REOPPE|

```

```
EndQuery
```

```
executeQBE(myQuery3, "Tas2Sec2.db")
```

```
executeQBE(myQuery4, "Tas1Sec1.db")
```

```
tbl.attach("Tas2Sec2")
```

```
tbl1.attach("Tas1Sec1")
```

```
numberOfSatsSec2=tbl.cCount("%ofSatEvol_2ndSec")
```

```
msgInfo("Section Two","The total number of sat evolution sets are "
```

```
+strVal(NumberOfSatsSec2))
```

```
TotalNumberOfEvolutionsSec2=tbl1.cCount("%ofSatEvol_2ndSec")
```

```
if TotalNumberOfEvolutionsSec2 <> 0 then
```

```
msgInfo("Section Two","The total number of evolution sets are "
```

```
+strVal(totalNumberOfEvolutionsSec2))
```

```
SatPercentageSec2=(numberOfSatsSec2/totalNumberOfEvolutionsSec2)*100
```

```
msgInfo("Section Two","The sat evolution percentage is "
```

```
+strVal(satPercentageSec2))
```

```
else
```

```

msgStop("Problem","The total number of evolutions is 0, you cannot divide by 0!")
return
endif

```

```

myQuery5=Query

```

```

ANSWER: :PRIV:ANSWER.DB

```

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate      | %ofSatEvol_3rdSec |
              | Check_EG01              | Check >=~examDate1, <=~examDate2| Check >=65        |

```

```

SHIP.DB | ShipName      | PropType      |
         | _EG02, _EG01  | Check         |

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
         | _EG02              | Check =OPPE OR =REOPPE|

```

```

EndQuery

```

```

myQuery6=Query

```

```

ANSWER: :PRIV:ANSWER.DB

```

```

OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate      | %ofSatEvol_3rdSec |
              | Check_EG01              | Check >=~examDate1, <=~examDate2| Check >0          |

```

```

SHIP.DB | ShipName      | PropType      |
         | _EG02, _EG01  | Check         |

```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
         | _EG02              | Check =OPPE OR =REOPPE|

```

```

EndQuery

```

```

executeQBE(myQuery5, "Tas2Sec3.db")
executeQBE(myQuery6, "Tas1Sec1.db")

```

```

tbl.attach("Tas2Sec3")
tbl1.attach("Tas1Sec1")
numberOfSatsSec3=tbl.cCount("%ofSatEvol_3rdSec")
msgInfo("Section Three","The total number of sat evolution sets are "
+strVal(numberOfSatsSec3))
TotalNumberOfEvolutionsSec3=tbl1.cCount("%ofSatEvol_3rdSec")
if TotalNumberOfEvolutionsSec3 <> 0 then
  msgInfo("Section Three","The total number of evolution sets are "
+strVal(totalNumberOfEvolutionsSec3))
  SatPercentageSec3=(numberOfSatsSec3/totalNumberOfEvolutionsSec3)*100
  msgInfo("Section Three","The sat evolution set percentage is "
+strVal(satPercentageSec3))
else
  msgStop("Problem","The total number of evolutions is 0, you cannot divide by 0!")
  return
endif

```

```
else
myQuery1=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatEvol_1stSec |
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >=65 |
```

```
SHIP.DB | ShipName | PropType |
| _EG02, _EG01 | Check =~propType|
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG02 | Check =OPPE OR =REOPPE|
```

```
EndQuery
```

```
myQuery2=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatEvol_1stSec |
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >0 |
```

```
SHIP.DB | ShipName | PropType |
| _EG02, _EG01 | Check =~propType|
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |
| _EG02 | Check =OPPE |
```

```
EndQuery
```

```
executeQBE(myQuery1, "Tas2Sec1.db")
executeQBE(myQuery2, "Tas1Sec1.db")
```

```
tbl.attach("Tas2Sec1")
tbl1.attach("Tas1Sec1")
numberOfSatsSec1=tbl.cCount("%ofSatEvol_1stSec")
msgInfo("Section One","The total number of sat evolution sets are "
+strVal(NumberOfSatsSec1))
TotalNumberOfEvolutionsSec1=tbl1.cCount("%ofSatEvol_1stSec")
if totalNumberOfEvolutionsSec1 <> 0 then
msgInfo("Section One","The total number of evolution sets are "
+strVal(totalNumberOfEvolutionsSec1))
SatPercentageSec1=(numberOfSatsSec1/totalNumberOfEvolutionsSec1)*100
msgInfo("Section One","The sat evolution set percentage is "
+strVal(satPercentageSec1))
else
msgStop("Problem","The total number of evolutions is 0, you cannot divide by 0!")
return
endif
```

```
myQuery3=Query
```

ANSWER: :PRIV:ANSWER.DB

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatEvol_2ndSec |  
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >=65 |
```

```
SHIP.DB | ShipName | PropType |  
| _EG02, _EG01 | Check =~propType|
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |  
| _EG02 | Check =OPPE OR =REOPPE|
```

EndQuery

myQuery4=Query

ANSWER: :PRIV:ANSWER.DB

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatEvol_2ndSec |  
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >0 |
```

```
SHIP.DB | ShipName | PropType |  
| _EG02, _EG01 | Check =~propType|
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType |  
| _EG02 | Check =OPPE OR =REOPPE|
```

EndQuery

executeQBE(myQuery3, "Tas2Sec2.db")

executeQBE(myQuery4, "Tas1Sec1.db")

tbl.attach("Tas2Sec2")

tbl1.attach("Tas1Sec1")

numberOfSatsSec2=tbl.cCount("%ofSatEvol\_2ndSec")

msgInfo("Section Two","The total number of sat evolution sets are "  
+strVal(NumberOfSatsSec2))

TotalNumberOfEvolutionsSec2=tbl1.cCount("%ofSatEvol\_2ndSec")

if TotalNumberOfEvolutionsSec2 <> 0 then

msgInfo("Section Two","The total number of evolution sets are "  
+strVal(totalNumberOfEvolutionsSec2))

SatPercentageSec2=(numberOfSatsSec2/totalNumberOfEvolutionsSec2)\*100

msgInfo("Section Two","The sat evolution percentage is "  
+strVal(satPercentageSec2))

else

msgStop("Problem","The total number of evolutions is 0, you cannot divide by 0!")

return

endif

myQuery5=Query

ANSWER: :PRIV:ANSWER.DB

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 | OperationID_ExamEndDate | %ofSatEvol_3rdSec |  
| Check_EG01 | Check >=~examDate1, <=~examDate2| Check >=65 |
```

```
SHIP.DB | ShipName      |PropType      |
      | _EG02, _EG01    |Check =~propType|
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG02                      |Check =OPPE OR =REOPPE|
```

EndQuery

myQuery6=Query

ANSWER: :PRIV:ANSWER.DB

```
OPERATIO.DB | Operati_Ship_ShipName_FK3 |OperationID_ExamEndDate      | %ofSatEvol_3rdSec |
      | Check _EG01                    |Check >=~examDate1, <=~examDate2| Check >0          |
```

```
SHIP.DB | ShipName      |PropType      |
      | _EG02, _EG01    |Check =~propType|
```

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamType      |
      | _EG02                      |Check =OPPE OR =REOPPE|
```

EndQuery

executeQBE(myQuery5, "Tas2Sec3.db")

executeQBE(myQuery6, "Tas1Sec1.db")

tbl.attach("Tas2Sec3")

tbl1.attach("Tas1Sec1")

numberOfSatsSec3=tbl.cCount("%ofSatEvol\_3rdSec")

msgInfo("Section Three","The total number of sat evolution sets are "

+strVal(NumberOfSatsSec3))

TotalNumberOfEvolutionsSec3=tbl1.cCount("%ofSatEvol\_3rdSec")

if TotalNumberOfEvolutionsSec3 <> 0 then

msgInfo("Section Three","The total number of evolution sets are "

+strVal(totalNumberOfEvolutionsSec3))

SatPercentageSec3=(numberOfSatsSec3/totalNumberOfEvolutionsSec3)\*100

msgInfo("Section Three","The sat evolution set percentage is "

+strVal(satPercentageSec3))

else

msgStop("Problem","The total number of evolutions is 0, you cannot divide by 0!")

return

endif

endif

tc.open("percent")

TC.edit()

tc.insertRecord()

tc.("Percentage")=SatPercentageSec1

tc.("Percentage1")=SatPercentageSec2

tc.("Percentage2")=SatPercentageSec3

tc.("PropType")=propType

tc.("examDate1")=examDate1

tc.("examDate2")=examDate2

tc.endEdit()

endmethod

Object : #Page27.#Box28.EVOL\_SEC3\_LISTSHIP\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
endVar  
  
newView.open("tas2sec3")  
endmethod

Object : #Page27.#Box28.EVOL\_SEC1\_LISTSHIP\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
endVar  
  
newView.open("Tas2sec1")  
endmethod

Object : #Page27.#Box28.EVOL\_SEC2\_LISTSHIP\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)  
var  
newView tableView  
endVar  
  
newView.open("tas2sec2")  
endmethod



Object : SPECIAL\_SITUATIONS\_QUERY

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  examMenu Menu
  ReportPop PopUpMenu
  AddPoP PopUpMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    examMenu.addText("&Quit")
    examMenu.show()
    maximize()
    hideSpeedBar()
    edit()
    endif
endmethod
```

Object : SPECIAL\_SITUATIONS\_QUERY

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

    Switch
      case eventInfo.menuChoice() ="&Help":

      case eventInfo.menuChoice() ="&Quit":
        reply=msgQuestion("Quit","Are you sure you want to leave this form?")
        If reply = "Yes" then
          close()
        else
          return
        endif
      endSwitch
    endif
endmethod
```

Object : #Page2

MethodName : setFocus

```
Source : method setFocus(var eventInfo Event)
var
  examMenu Menu
  ReportPop PopUpMenu
  AddPoP PopUpMenu
endVar

  examMenu.addText("&Quit")
  examMenu.show()
  maximize()
  hideSpeedBar()
  edit()
endmethod
```

Object : #Page2.#Box3.PRINT\_REPORT\_BUTTON

MethodName : pushButton

```
Source : method pushButton(var eventInfo Event)
var
  myRep Report
  reply String
endVar
  reply=msgQuestion("Print the report","Have you updated the report with the queries?")
  if reply="Yes" then
    myRep.print("Special")
  else
    return
  endif
endmethod
```

Object : #Page2.#Box3.VIEW\_REPORT\_BUTTON

MethodName : pushButton

```
Source : method pushButton(var eventInfo Event)
var
  myRep Report
  reply String
  m menu
endVar
  reply=msgQuestion("View report","Have you updated the report with the queries?")
  if reply="Yes" then
    myRep.open("Special", WinStyleMaximize)
    hideSpeedBar()
    m.addText("")
    m.show()
    message("Shift-F4 for next page, Shift-F3 for previous page, Ctrl-F4 to close report")
  else
```

```
return
endif
endmethod
```

Object : #Page2.#Box3.OVERDUE\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```
var
tbl tableView
myQuery Query
examDate1 Date
endVar
doDefault
examDate1=today()
myQuery=Query
```

ANSWER: :PRIV:ANSWER.DB

```
EXAM.DB | ExamID_Ship_ShipName_FK2 | NextExamDate      |
| Check_EG01      | Check <=~examDate1,NOT BLANK|
```

EndQuery

```
empty("LateExam")
if executeQBE(myQuery, "LateExam.db") then
msgInfo("Overdue Query","The Overdue Query was successful!")
else
msgStop("Problem","Sorry, could not open LateExam database.")
endif
endmethod
```

Object : #Page2.#Box3.INCOMPLETE\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```
var
tbl tableView
myQuery Query
examDate1 Date
examDate2 Date
endVar
```

```
doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")
```

myQuery=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate | ExamType|
| Check | Check >=~examDate1, <=~examDate2| Check |

```

```

EXAM.DB | OverallFinding| Comments | NextExamDate | Cleared |
| Check =INC | Check | Check | Check =N|

```

EndQuery

```

empty("INC")
if executeQBE(myQuery, "INC.db") then
    msgInfo("Incomplete Query","The Incomplete Query was successful!")
else
    msgStop("Problem","Sorry, could not open INCOMPLETE database.")
endif
endmethod

```

Object : #Page2.#Box3.UNSAT\_BUTTON

MethodName : pushButton

Source : method pushButton(var eventInfo Event)

```

var
tbl tableView
myQuery Query
examDate1 Date
examDate2 Date
endVar

doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")

```

myQuery=Query

ANSWER: :PRIV:ANSWER.DB

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate | ExamType|
| Check | Check >=~examDate1, <=~examDate2| Check |

```

```

EXAM.DB | OverallFinding| Comments | NextExamDate | Cleared |
| Check =UNS | Check | Check | Check =N|

```

EndQuery

```

empty("Unsat")
if executeQBE(myQuery, "Unsat.db") then
    msgInfo("Unsatisfactory query","The Unsatisfactory Query was successful!")
else
    msgStop("Problem","Sorry, could not open the unsat database.")

```

```
endif  
endmethod
```

Object : CUMULATIVE\_TREND\_QUERY

MethodName : arrive

```
Source : method arrive(var eventInfo MoveEvent)
var
  tc Tcursor
  examMenu, View, Print, ReportMenu Menu
  PrintPop PopUpMenu
  ViewPop PopUpMenu
  ViewFlexPop PopUpMenu
  PrintFlexPop PopUpMenu
  examtype PopupMenu
endVar
if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

  examMenu.addText("&Print")
  examMenu.addText("&Quit")
  examMenu.show()
  maximize()
  hideSpeedBar()
  tc.open("percent")
  tc.edit()
  tc.empty()
  tc.endEdit()
endif
endmethod
```

Object : CUMULATIVE\_TREND\_QUERY

MethodName : menuAction

```
Source : method menuAction(var eventInfo MenuEvent)
var
  myRep Report
  reply String
  choiceId SmallInt
endVar
choiceId=eventInfo.id()

if eventInfo.isPreFilter()
  then
    ; This code executes for each object on the form.

  else
    ; This code executes only for the form.

  Switch
```

```

        case eventInfo.menuChoice() = "&Help":
    case eventInfo.menuChoice() = "&Quit":
        reply=msgQuestion("Quit","Are you sure you want to leave this form?")
        If reply = "Yes" then
            close()
        else
            return
        endif
    case eventInfo.menuChoice() = "&Print":
        myRep.print("CumTrend")
    endSwitch
endif
endmethod

```

Object : #Page2

MethodName : setFocus

```

Source : method setFocus(var eventInfo Event)
var
    tc Tcursor
    examMenu, View, Print, ReportMenu Menu
    PrintPop PopUpMenu
    ViewPop PopUpMenu
    ViewFlexPop PopUpMenu
    PrintFlexPop PopUpMenu
    examtype PopupMenu
endVar
examMenu.addText("&Print")
examMenu.addText("&Quit")
examMenu.show()
maximize()
hideSpeedBar()
tc.open("percent")
tc.edit()
tc.empty()
tc.endEdit()
endmethod

```

Object : #Page2.OPPE\_PERCENT\_BUTTON

MethodName : pushButton

```

Source : method pushButton(var eventInfo Event)
var
    tc tCursor
    tbl table
    tbl1 table
    numberOfSatsOppe Number
    totalNumberOfOppe Number
    satPercentageOppe Number
    myQuery Query
    myQuery1 Query
    myQuery2 Query

```

```

examDate1 Date
examDate2 Date
propType String
examType String
endVar
doDefault
examDate1=date("01/01/00")
examDate2=date("12/31/99")
examDate1.view("Enter start date (I.E. 01/01/95)")
examDate2.view("Enter stop date (I.E. 01/01/95)")

```

```
myQuery=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
OverallFinding |
| Check_EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE | Check =SAT OR
=EXC OR =GOOD|

```

```

SHIP.DB | ShipName | PropType |
|_EG01 | Check |

```

```
EndQuery
```

```
myQuery1=Query
```

```
ANSWER: :PRIV:ANSWER.DB
```

```

EXAM.DB | ExamID_Ship_ShipName_FK2 | ExamID_ExamEndDate |ExamType |
OverallFinding |
| Check_EG01 | Check >=~examDate1, <=~examDate2|Check =OPPE | Check =SAT OR
=UNS OR =GOOD OR =EXC|

```

```

SHIP.DB | ShipName | PropType |
|_EG01 | Check |

```

```
EndQuery
```

```

empty("OppeSum")
empty("OppeSum1")
executeQBE(myQuery, "OppeSum.db")
executeQBE(myQuery, "OppeSum1.db")
tbl.attach("OppeSum")
tbl1.attach("OppeSum1")
numberOfSatsOppe=tbl.cCount("OverallFinding")
msgInfo("OPPE","The total number of sats are "
+strVal(NumberOfSatsOppe))
TotalNumberOfOppe=tbl1.cCount("OverallFinding")
if TotalNumberOfOppe <> 0 then
msgInfo("OPPE","The total number is "
+strVal(totalNumberOfOppe))
SatPercentageOppe=(numberOfSatsOppe/totalNumberOfOppe)*100
msgInfo("OPPE","The sat percentage is "

```



```

        +strVal(satPercentageOppe))
else
    msgStop("Problem","The total number of OPPE's is 0, you cannot divide by 0!")
    return
endif
tc.open("percent")
TC.edit()
tc.insertRecord()
tc("Percentage")=SatPercentageOppe
tc("PropType")="OPPE"
tc("examDate1")=examDate1
tc("examDate2")=examDate2
tc.endEdit()
endmethod

```



## **APPENDIX H. USER'S MANUAL**

### **A. INTRODUCTION**

The purpose of this manual is to familiarize the user with the Propulsion Examining Board's Database System (PEBDS). The system uses a series of windows and pull down menus. The system is designed to be very easy to use but does require familiarity with Microsoft Windows and the use of a mouse.

### **B. GETTING STARTED**

Before installing the PEBDS, the Paradox for Windows version 4.5 or 5.0 database management software and Microsoft Windows 3.1 or Windows 95 must be installed as specified in their respective user's manuals. The application files in the provided 3.5 inch floppy disks must be copied to the hard disk into a directory labeled PEBDS. If the PEBDS directory does not exist, you must create the directory either through DOS or the Windows Program Manager. Once the files are copied into PEBDS directory, there are two ways to initialize the PEBDS.

The first way to load the PEBDS is to initialize Paradox for Windows by double clicking on the Paradox for Windows icon. Once Paradox for Windows is loaded, you must change the working directory of the database management software to C:\PEBDS by selecting FILE from the main menu and then selecting WORKING DIRECTORY. Type in C:\PEBDS and select save, this will change the working directory of Paradox for Windows. If you are having difficulty changing the working directory, consult the user's manual for Paradox for Windows for further guidance. Once the Paradox for Windows desktop is visible on the screen, initialize the startup script (Startup.ssl) by selecting Script from the Open drop down menu. The PEBDS will be loaded with the main menu as the first screen.

The second way to load the PEBDS, which is more robust, is to load the PEBDS directly from the Windows Program Manager. You do this by providing an icon that both loads Paradox for Windows and the startup script. You first must make the PEB Database program group by selecting New from the File drop down menu. Select the Program Group radio button, type in PEB Database in the description box and hit Enter. Next select the Paradox for Windows icon and then select Copy from the File drop down menu. The Copy Program Item dialog box will give you a drop down list to select where you want to copy the icon to. Select the PEB Database program group and hit Enter. Next highlight the Paradox for Windows icon and choose Properties from the File drop down menu. Here you will change the name of the icon to PEBDS by typing PEBDS in the Description box. You can now change the look of the icon if you desire by selecting the Change Icon pushbutton. Next you must change the Command Line to load the startup script to look like:

**C:\OFFICE\PDOXWIN\PDOXWIN.EXE STARTUP.SSL -c -q -w C:\PEBDS**

Next select the OK pushbutton and you will now have a separate program group and icon to load the PEBDS. From the program manager select the PEBDS icon and initialize the application (see figure 2). Once the application is loaded, the next screen to appear is the main menu for the PEBDS. The main menu, (see figure 2), allows the user to input data, process queries, backup data and quit to the Program Manager through ADD, INQUIRY, BACKUP and QUIT respectively.

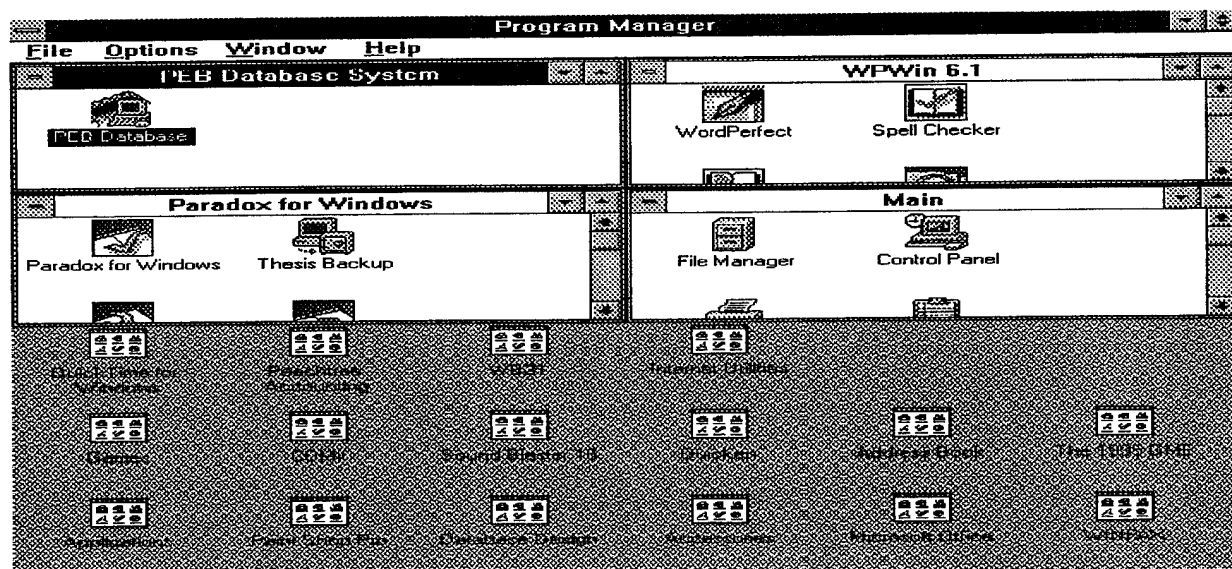


Figure 1. Program Manager screen.

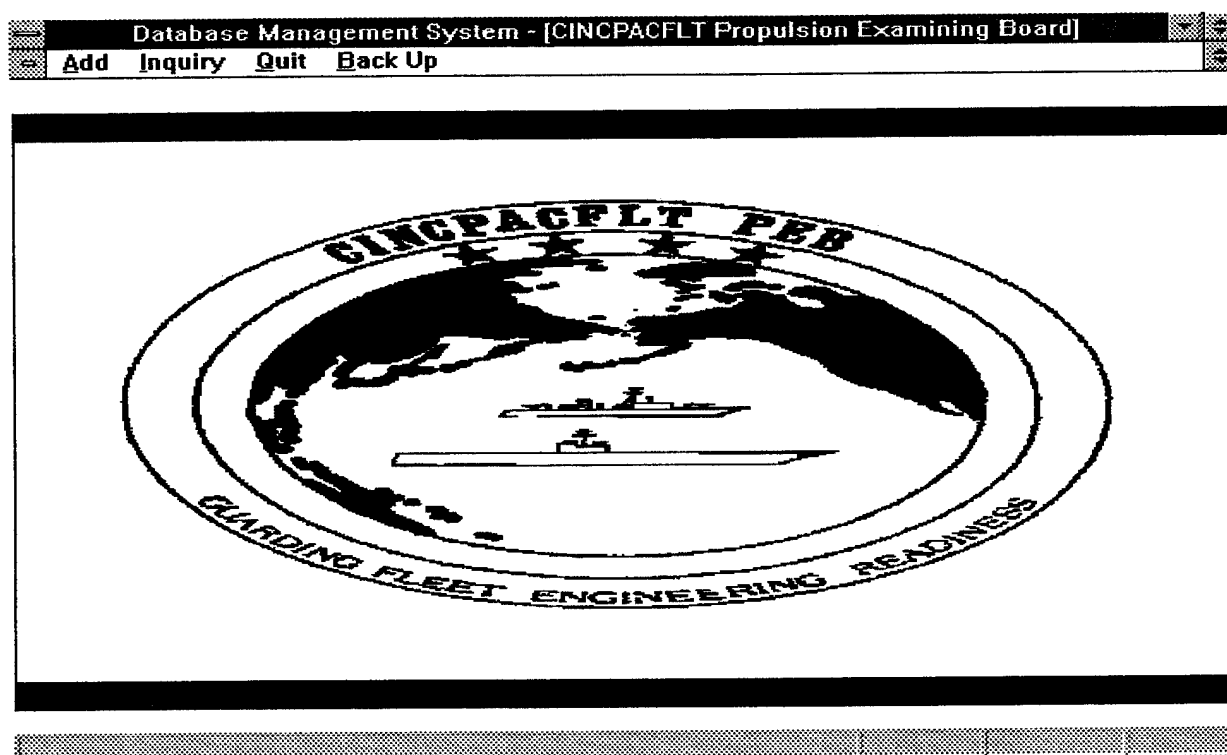


Figure 2. Main menu screen

## C. MAIN MENU

### 1. ADD

The ADD menu selection will give the user the option to add the following: Ship, Exam, Fire

Fighting, Level of Knowledge, Material, Operations, Program Management, and Training. When an option is selected, the respective data entry screen will appear and data entry can begin immediately (see figure 3). When the last field of data is entered, the cursor will automatically scroll to the first field. In addition, there are several default values in selected fields. They have been added to decrease data entry. These default values however, can be changed if required. If the user requires to enter another record, the user will press the push button. When the push button is pressed, the process can now be repeated. If a correction is needed to the current record, the user may choose to do either of the following: one press TAB or SHIFT-TAB key(s) to move forward or backward

Figure 3. Exam input screen.

respectively or two, position and click the mouse on the field to change.

All input screens have identical main menus. The choices on the main menu are RECORD and QUIT (see figure 3). The RECORD option produces a drop down menu with the choice to LOCATE or DELETE. When the LOCATE option is used, a locating dialog box appears and the user may locate any record by any field. The default field is the ship name on all input screens. However, this default value may be changed by scrolling through the available fields for that screen. The DELETE option will delete the current record. A safeguard has been added by providing a question dialog box asking the user to verify that he or she wants to delete the current record. **Once a record is deleted, it cannot be restored unless it is reentered.** The QUIT option closes the input screen and returns you to the main menu.

The PEBDS has been designed to provide a robust and user friendly environment. However, if the user tries to enter a record that has been previously entered, a **Key Violation** error will result. If this occurs, delete the current record or change the information that is in error (this will most likely be the exam end date and ship name combination). This error results from a ship having two exams ending on the same date. All other errors are covered by the systems internal error checking mechanism.

**NOTE: You must ADD the ship before any other data entry is conducted. The PEBDS is dependent on the ship and data pertaining to the ship in each input screen will not be allowed unless the ship is in the database first.**

## 2. INQUIRY

The Inquiry selection will give the user the option to manipulate the following queries: Boiler Flexes, ECCTT, Fire Drills, High Power Demo, OPPE/LOE Area Summary, Program Statistics, Monthly OPPE/LOE Summary, and Evolutions and Drills. When an option is selected, the respective query screen will appear and manipulation of the query can begin immediately. Since the operation of the query screens vary, each of the query screens will be illustrated. However there are several features that are common to all query screens and they will be discussed first.

The similar features common to all query screens are the start date, stop date, propulsion type, and exam type input windows (See figures 4, 5, 6 and 7). Other features are the LIST SHIPS and RESET GRAPH push buttons. The start date and stop date inputs define the period you want to search. The format for the input is 01/01/95, 01-01-95, or 01.01.95. If another format is chosen, the installed error checking mechanism will signal the user that the choice was invalid. The exam type input defines which type of exam you want to search. The choices for are OPPE, REOPPE, LOE, or RELOE. The choices must be spelled exactly and must up in **uppercase** for the input to be valid. The propulsion type input defines which ship type you want to search. The choices are GT (Gas Turbine), STM (Steam), DSL (Diesel) or ALL (all ship types). Again the choices must be spelled exactly and must be in **uppercase** for the input to be valid. The exam type and propulsion type inputs are common on all but a few of the query screens. The LIST SHIPS push button displays the ships in a table format. The RESET GRAPH push button clears the graph for the user to begin another query. Caution should be exercised when pressing this push button to prevent from inadvertently clearing the graphical display.

### A. Boiler Flexes Query

The Boiler Flexes query (see figure 8) enables the user to graphically display the percentage of boiler flex levels. To start the query, the user simply presses which level he or she wants to display, for example LEVEL 1. The start date and stop date input dialog boxes appear, the desired period is then entered and the query conducts the search. The next dialog boxes are informative in nature and the result is graphically displayed. To compare the different levels against each other, the user must be sure that he or she is consistent with the start and stop dates when the other level push buttons are pressed. The LIST SHIPS and RESET GRAPH push buttons were discussed earlier. The Boiler

Enter start date (I.E. 01/01/95)

01/01/95

✓ OK ✗ Cancel

Enter stop date (I.E. 12/12/99)

12/31/95

✓ OK ✗ Cancel

Enter prop type (GT/STM/DSL)

GT

✓ OK ✗ Cancel

Enter (OPPE/RE OPPE/LOE/RELOE)

OPPE

✓ OK ✗ Cancel

Figure 4.

Figure 5.

Figure 6.

Figure 7.

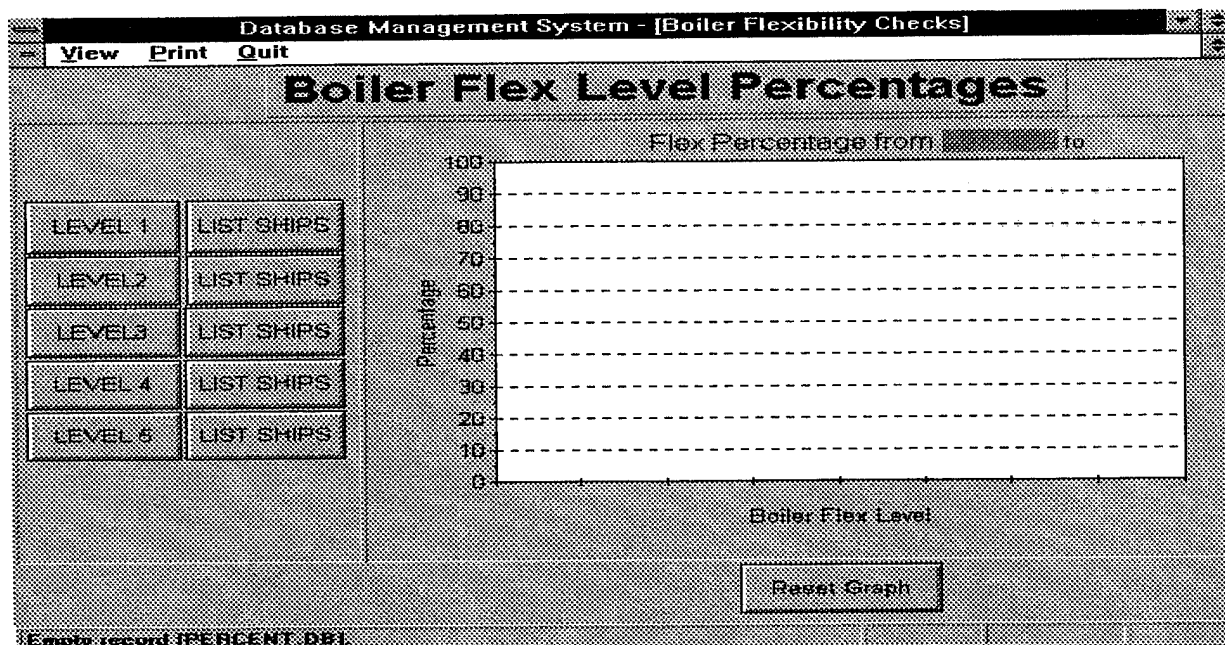


Figure 8. Boiler Flex query.

Flexes main menu has three options. The options are View, Print, and Quit. The View option displays a report that the user can use for information purposes. The Print option displays two choices. The choices are Report and Graph. The Report choice prints the report that was previously viewed and the Graph choice prints the graph that is displayed on the screen. The Quit option returns the user to the main menu.

### B. ECCTT query

The ECCTT query (see figure 9) enables the user to graphically display the ECCTT satisfactory percentage. To start the query, the user simply presses the ECCTT push button. The start date, stop date, and propulsion type input dialog boxes appear. The desired period and propulsion type are entered and the query conducts the search. The next dialog boxes are informative in nature and the result is graphically displayed. To compare the ECCTTs of different propulsion types, the user must be sure that he or she is consistent with the start and stop dates. The LIST SHIPS and RESET GRAPH push buttons have been discussed earlier. The ECCTT query main menu has two options. The options are Report and Quit. The Report option displays two choices. The choices are View and Print. The View choice has two sub-choices. The sub-choices are Unsat ECCTT Report and Sat ECCTT Report. The user can view these reports for information purposes. The Print choice has two sub-choices. The sub-choices are Unsat ECCTT Report, Sat ECCTT Report, and Graph. The Print choice prints the reports that were previously reviewed and the graph that is displayed. The Quit option returns the user to the main menu.

### C. Fire Drills query

The Fire Drills query (see figure 10) enables the user to graphically display the Fire Drills percentage. To start the query, the user simply presses one of three Fire Drill push buttons. The start date, stop date, propulsion type, and exam type input dialog boxes appear. The desired inputs are entered and the query conducts the search. The next dialog boxes are informative in nature

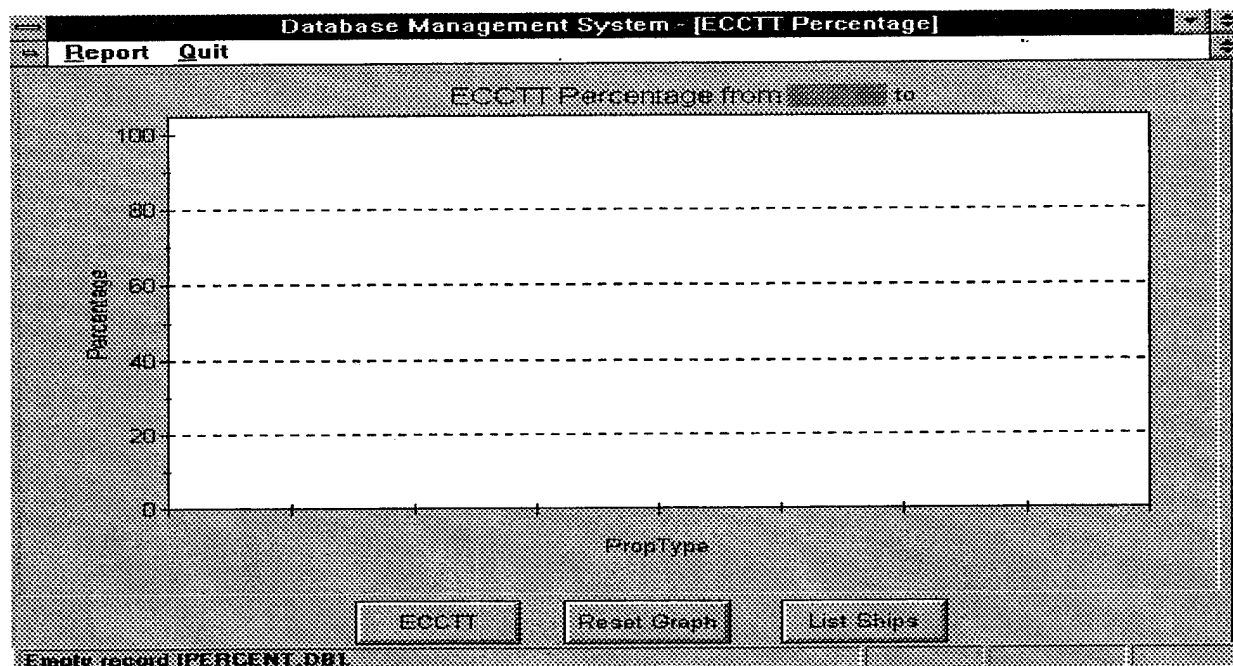


Figure 9. ECCTT query.

and the result is graphically displayed. To compare the Fire Drills of different propulsion types, the user must be sure that he or she is consistent with the start and stop dates. The LIST SHIPS and RESET GRAPH push buttons have been discussed earlier. The Fire Drills query main menu has three

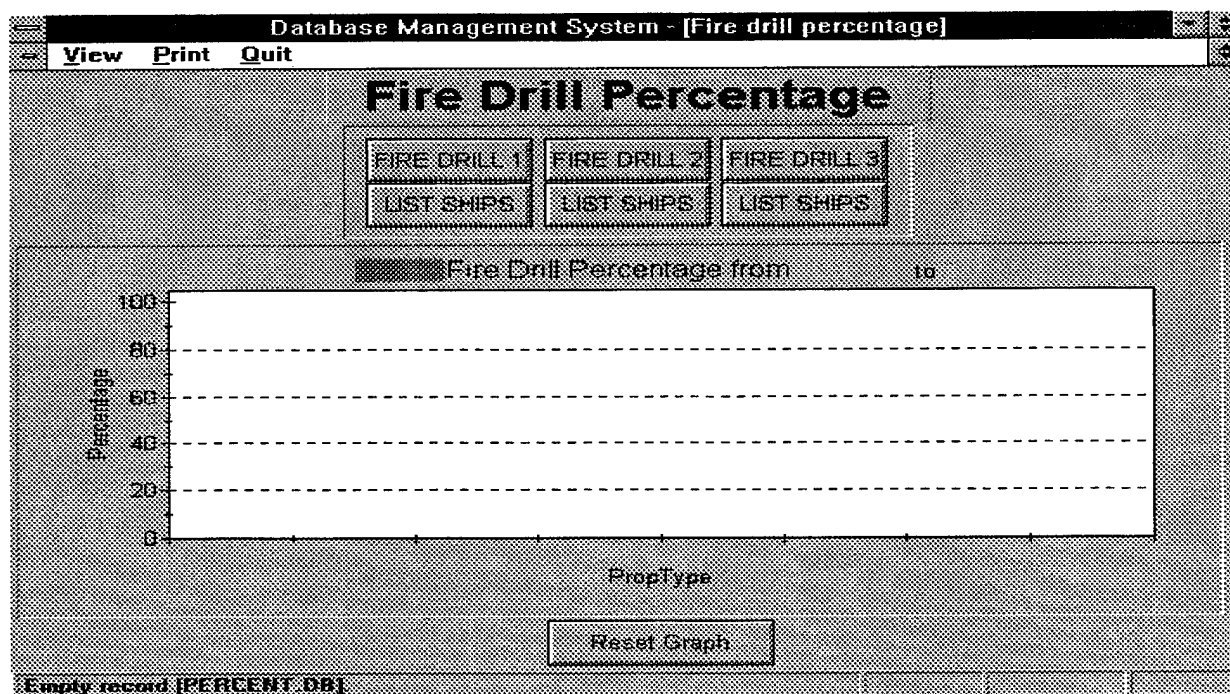


Figure 10. Fire Drills query.



options. The options are View, Print and Quit. The View option displays three choices. The choices are Fire Drill 1, FireDrill 2, and Fire Drill 3. The user can view these reports for information purposes. The Print option displays four choices. The choices are Fire Drill 1, Fire Drill 2, Fire Drill 3, and Graph. The Print option prints the reports that were previously reviewed and the graph that is displayed. The Quit option returns the user to the main menu.

#### **D. High Power Demo query**

The High Power Demo query (see figure 11) enables the user to graphically display the High Power Demo satisfactory percentage. To start the query, the user simply presses the High Power Demo push button. The start date, stop date, and propulsion type input dialog boxes appear. The desired period and propulsion types are entered and the query conducts the search. The next dialog boxes are informative in nature and the result is graphically displayed. To compare the High Power Demos of different propulsion types, the user must be sure that he or she is consistent with the start and stop dates. The LIST SHIPS and RESET GRAPH push buttons have been discussed earlier. The High Power Demo query main menu has two options. The two options are Report and Quit. The Report option displays two choices. The choices are View and Print. The View choice enables the user to view the high power demo report. The Print choice has two sub-choices. The sub-choices are High Power report and Graph. The Print choice prints the High Power report previously viewed and the Graph that is displayed. The Quit option returns the user to the main menu.

#### **E. OPPE/LOE Area Summary query**

The OPPE/LOE Area Summary query (see figure 12) enables the user to graphically display the OPPE/LOE area satisfactory percentage. To start the query, the user simply presses the desired OPPE/LOE area push button. The start date, stop date, propulsion type, and exam type input dialog boxes appear. The desired inputs are entered and the query conducts the search. The next dialog boxes are informative in nature and the result is graphically displayed.

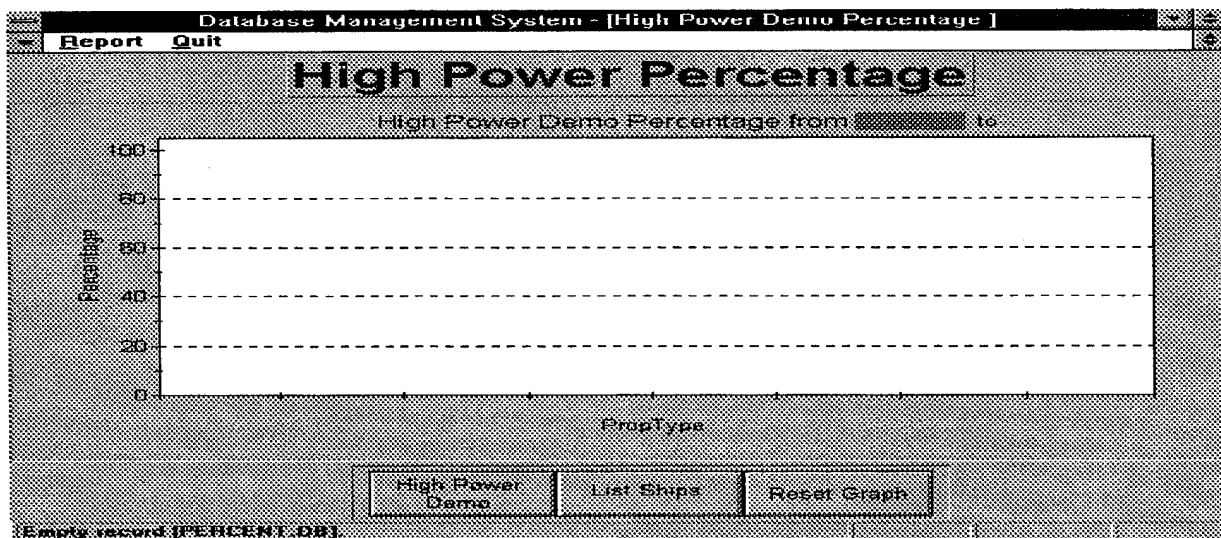


Figure 11. High Power Percentage query.

**TIP:** It is a good idea to press the OPPE or LOE percentage push button first, then the area push buttons to keep the graph consistent. Also, you should keep the propulsion type constant.

To compare the OPPE/LOE Areas, the user must be sure that he or she is consistent with the start and stop dates. The LIST SHIPS and RESET GRAPH push buttons have been discussed earlier. The OPPE/LOE Area Summary query main menu has three options. The three options are View, Print, and Quit. The View choice has two sub-choices. The sub-choices are Sat and Unsat. These sub-choices enable the user to view the following reports: OPPE Percentage, Operations Percentage, Fire Fighting Percentage, Material Percentage, Training Percentage, Program Management Percentage, Fire Fighting Percentage, Material Percentage, Training Percentage, Program Management

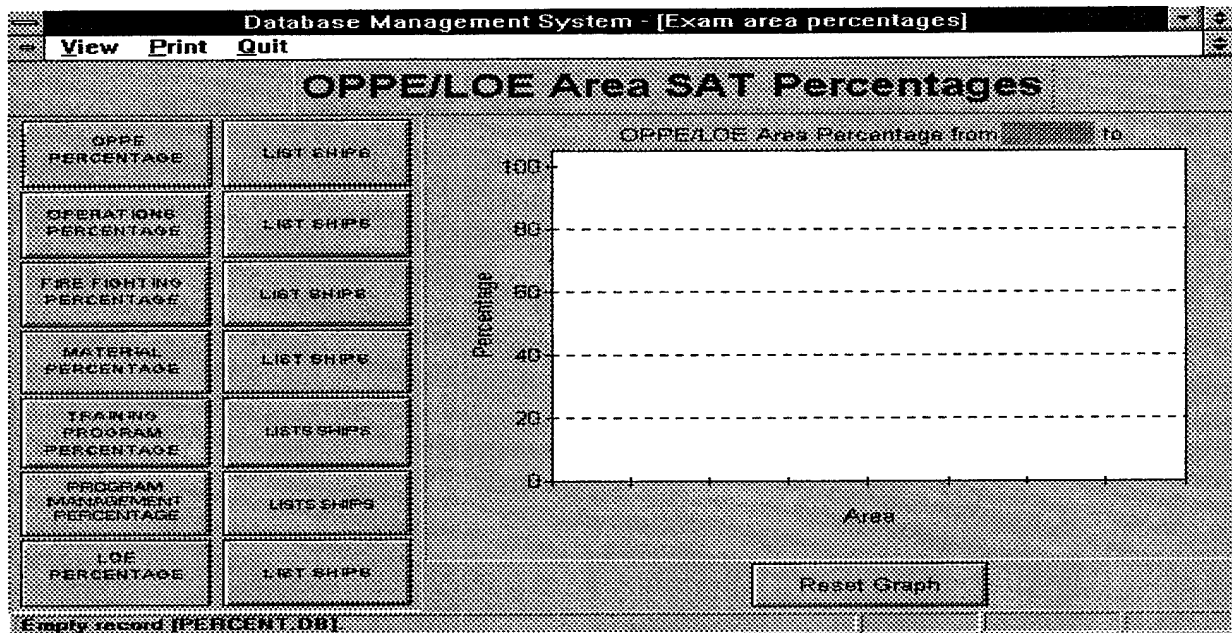


Figure 12. OPPE/LOE Area Summary query.

Percentage, and LOE percentage. The Print choice has three sub-choices. The sub-choices are Sat, Unsat, and Graph. These sub-choices enable the user to print the previously viewed report plus the displayed graph. The Quit option returns the user to the main menu.

#### F. Program Statistics query

The Program Statistics query (see figure 13) enables the user to graphically display each program percentage. To start the query, the user simply presses the Program push button, for example, BEARING RECORDS. The start date, stop date, propulsion type, and exam type input dialog boxes appear. The desired period, propulsion type, and exam type are entered and the query conducts the search. The next dialog boxes are informative in nature and the result is graphically displayed.

**TIP:** The user should keep the propulsion type, exam type and exam start and stop dates constant to get a homogenous graphical display.

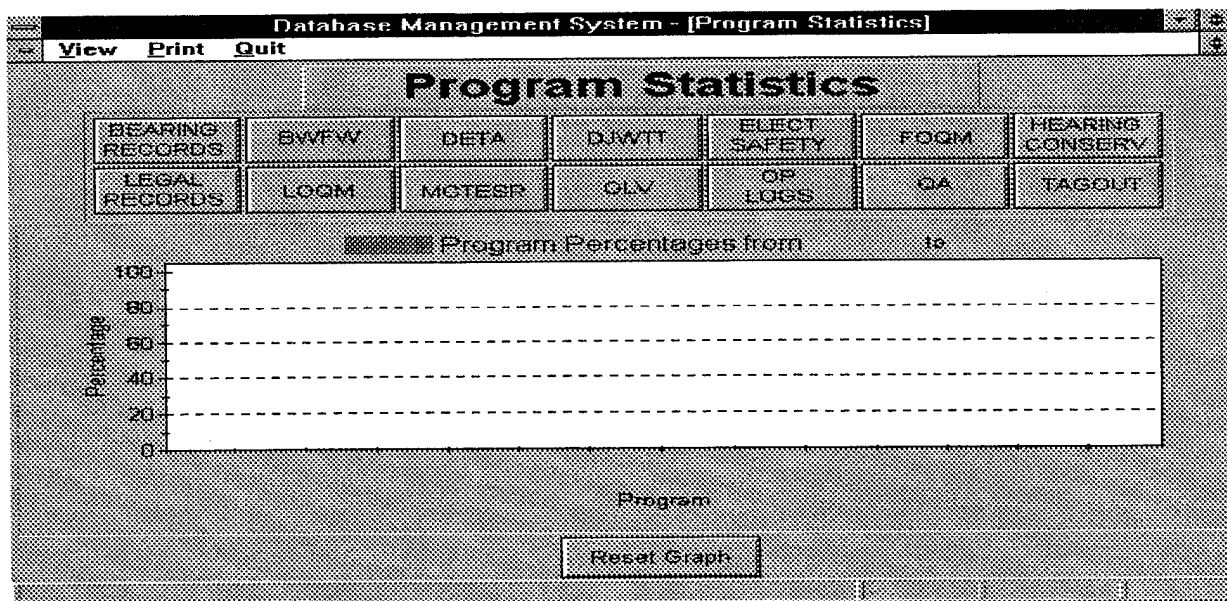


Figure 13. Program Statistics query.

The RESET GRAPH push button has been discussed earlier. The Program Statistics query main menu has three options. The three options are View, Print, and Quit. The View option has fourteen choices to view. These choices are Bearing Records, BWFW, DJWTT, Electrical Safety, FOQM, Hearing Conservation, Legal Records, LOQM, MGTESR, OLV, Operating Logs, QA, and Tagout. The Print option has fifteen choices to print. These choices are the same as the View option with the addition of printing the displayed graph. The Quit option returns the user to the main menu.

#### G. OPPE/LOE Monthly Summary of Activity query

The OPPE/LOE Monthly Summary of Activity query (see figure 14) enables the user to obtain information for input to the monthly reports to CINPACFLT and CNO N86P. The SUMMARY QUERY push button executes the query. The query must be executed prior to reviewing or printing the report. The user can view the report by pressing the VIEW REPORT. When the VIEW REPORT push button is pressed, a dialog box appears asking if the user has updated the Summary Query. The user can print the report by pressing the PRINT REPORT push button. Again a dialog box appears asking if the user has updated the Summary Query. The OPPE/LOE Monthly Summary of Activity query main menu has only one option. The Quit option returns the user to the main menu.

#### H. Evolutions and Drills query

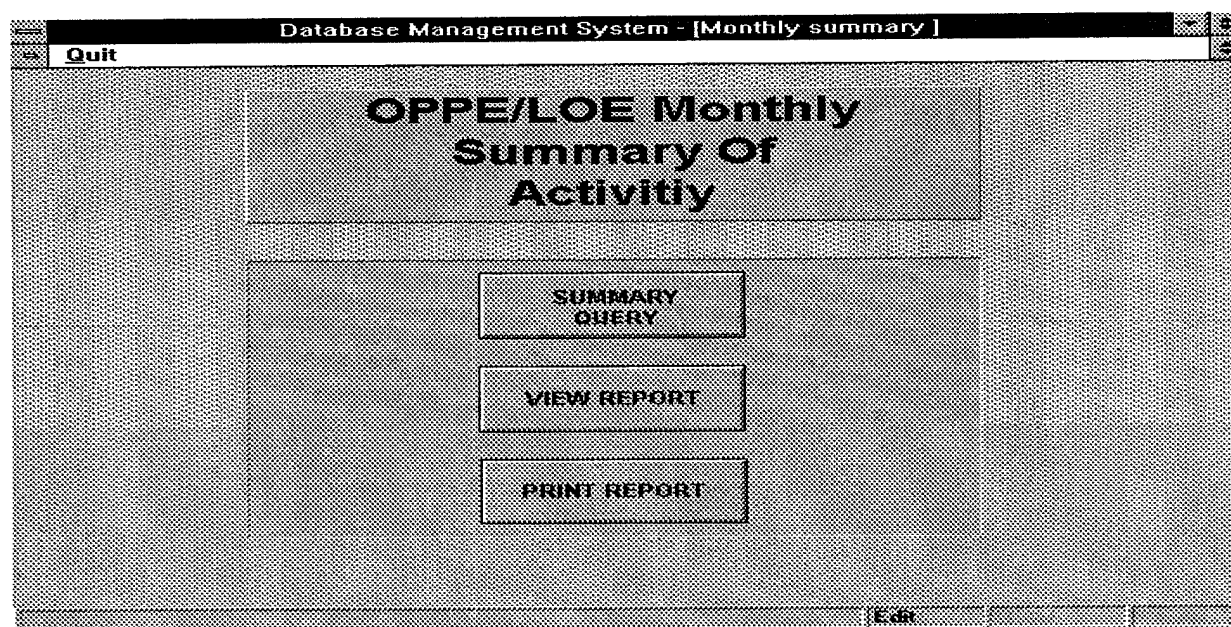
The Evolutions and Drills query (see figure 15) enables the user to graphically display the Fire Drill satisfactory percentage. To start the query, the user simply presses the DRILL SET PERCENTAGE or the EVOLUTION SET PERCENTAGE push buttons. The start date, stop date, propulsion type, and exam type dialog boxes appear. The inputs are entered and the query conducts the search. The next dialog boxes are informative in nature and the result is graphically displayed. To compare the Evolution and Drills of different propulsion types, the user must be sure that he or she is consistent with the start and stop dates. The SHIPS and RESET GRAPH push

buttons have been discussed earlier. The Evolution and Drill query has three options. The three options are View, Print and Quit. The View option has six reports to view. The six reports are Evolutions Section 1, Drills Section 1, Evolutions Section 2, Drills Section 2, Evolutions Section 3, and Drills Section 3. The Print option has seven reports to print. The seven reports are the same as the View choices with the exception of the graph report. The Quit option returns the user to the main menu.

#### **I. Ships with Special Situations query**

The Ships with Special Situations query (see figure 16) enables the user to obtain information for input to the monthly reports to CINCPACFLT and CNO N86P. The INCOMPLETE QUERY, UNSAT QUERY, and OVERDUE QUERY push buttons execute their respective queries. The queries must be executed prior to reviewing the report or printing the report. The user can view the report by pressing the VIEW REPORT push button. When the VIEW REPORT push button is pressed, a dialog box appears asking if the user has updated the three queries. The user can print the report by pressing the PRINT REPORT push button. Again a dialog box appears asking if the user has updated the three queries. The Ships with Special Situations query main menu has only one option. The Quit option returns the user to the main menu.

The next dialog boxes are informative in nature and the result is graphically displayed. To compare the OPPE percentages, the user must ensure that he or she is consistent with the start date, stop date, and propulsion type. The RESET GRAPH push button has been discussed earlier.



*Figure 14. OPPE/LOE Monthly Summary of Activity query.*

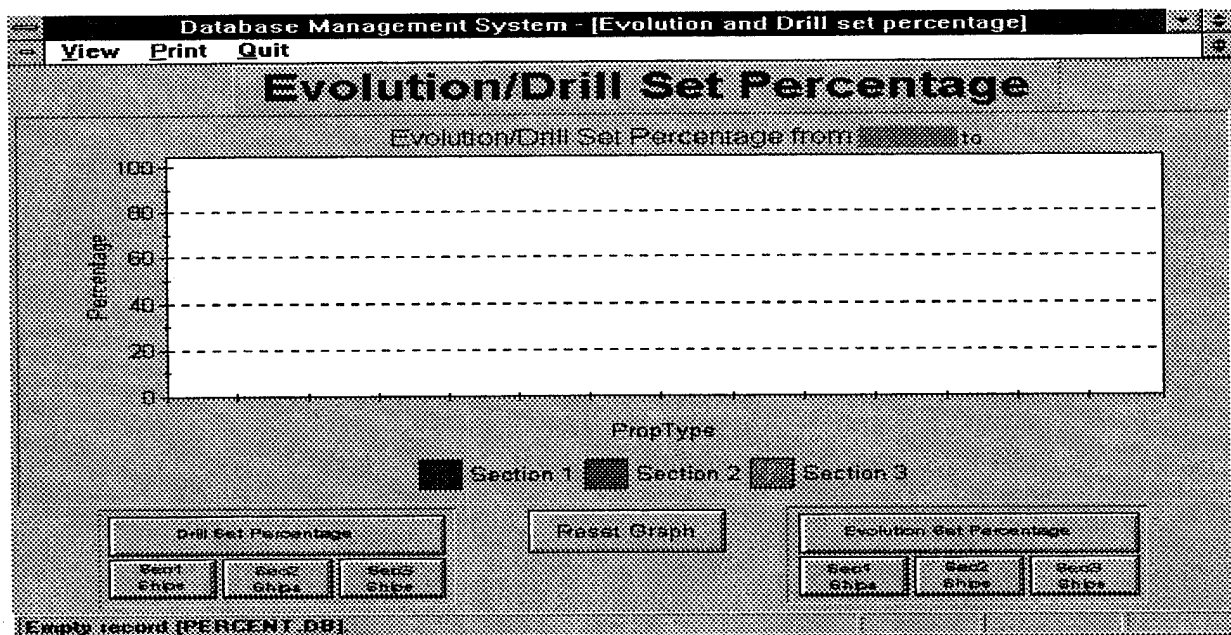


Figure 15. Evolutions and Drills query.

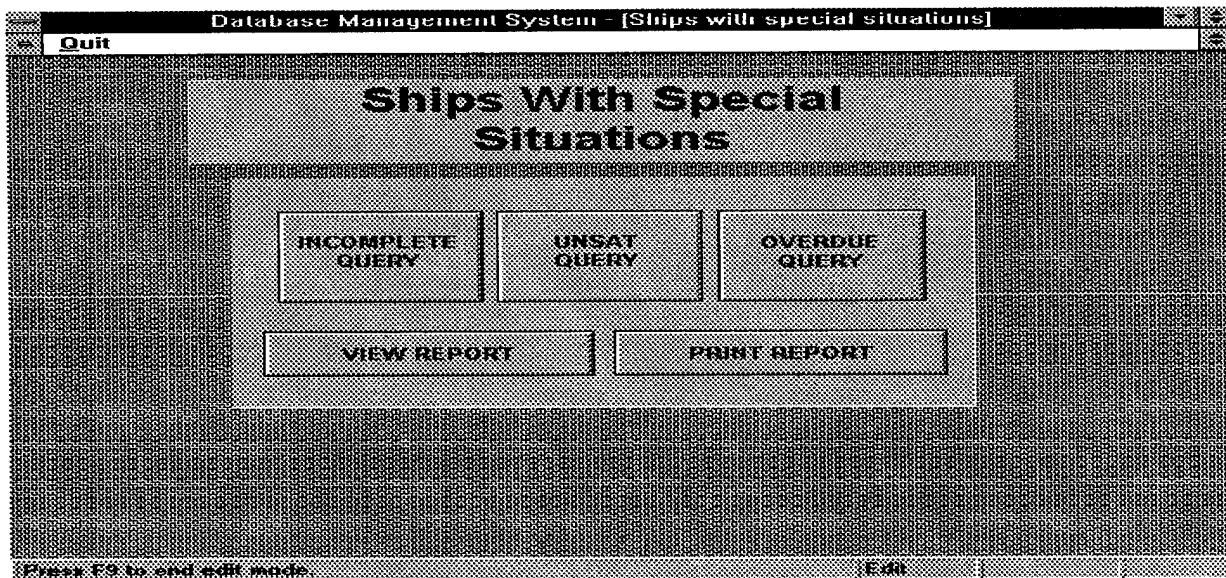


Figure 16. Ships with Special Situations query.

#### J. Twelve Month OPPE Cumulative Trend query

The Twelve Month OPPE Cumulative Trend query (see figure 17) enables the user to graphically display the OPPE percentages on a cumulative annual basis. To start the query, the user simply presses the OPPE Percentage push button. The start date, stop date, and propulsion type dialog boxes appear. The inputs are entered and the query conducts the search. The Twelve Month

OPPE Cumulative Trend main menu has two choices. The two choices are Print and Quit. The Print option prints the displayed graph and the Quit option returns the user to the main menu.

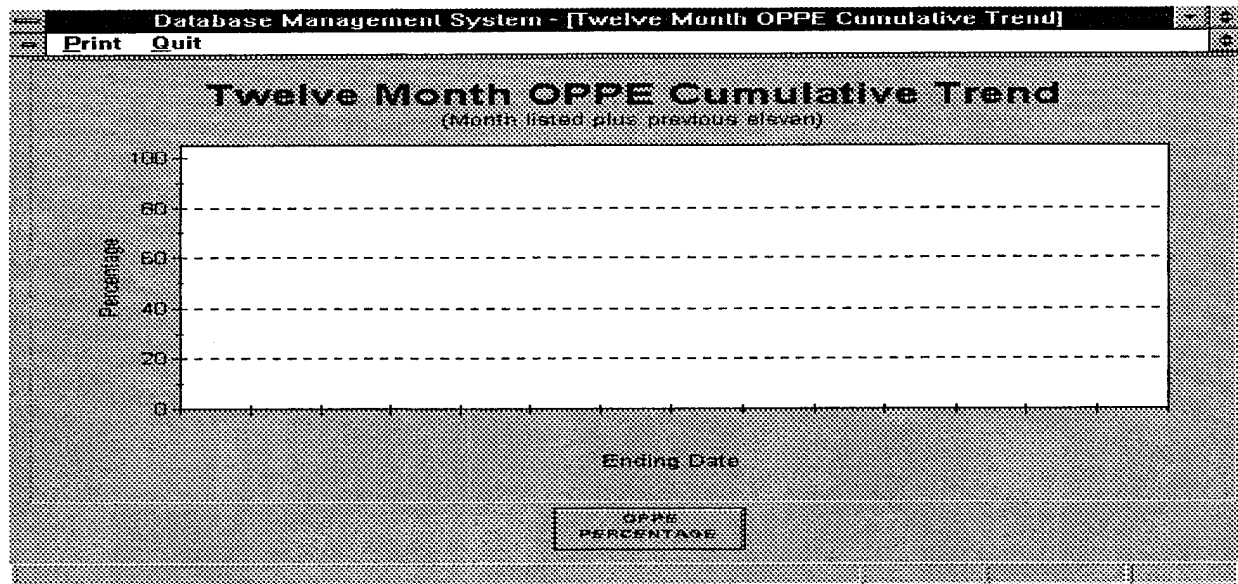


Figure 17. Twelve Month OPPE Cumulative Trend query.

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